

# Fitranto Kusumo

## List of Publications by Year in descending order

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38  
papers

2,859  
citations

236925

25  
h-index

315739

38  
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40  
all docs

40  
docs citations

40  
times ranked

2149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of biodiesel production process for mixed <i>Jatropha curcas</i> – <i>Ceiba pentandra</i> biodiesel using response surface methodology. <i>Energy Conversion and Management</i> , 2016, 115, 178-190.	9.2	281
2	Optimization of biodiesel production by microwave irradiation-assisted transesterification for waste cooking oil- <i>Calophyllum inophyllum</i> oil via response surface methodology. <i>Energy Conversion and Management</i> , 2018, 158, 400-415.	9.2	222
3	Evaluation of the engine performance and exhaust emissions of biodiesel-bioethanol-diesel blends using kernel-based extreme learning machine. <i>Energy</i> , 2018, 159, 1075-1087.	8.8	217
4	Microalgae biomass as a sustainable source for biofuel, biochemical and biobased value-added products: An integrated biorefinery concept. <i>Fuel</i> , 2022, 307, 121782.	6.4	190
5	Biodiesel synthesis from <i>Ceiba pentandra</i> oil by microwave irradiation-assisted transesterification: ELM modeling and optimization. <i>Renewable Energy</i> , 2020, 146, 1278-1291.	8.9	187
6	Biodiesel production from <i>Calophyllum inophyllum</i> - <i>Ceiba pentandra</i> oil mixture: Optimization and characterization. <i>Journal of Cleaner Production</i> , 2019, 219, 183-198.	9.3	174
7	Progress and challenges of contaminate removal from wastewater using microalgae biomass. <i>Chemosphere</i> , 2022, 286, 131656.	8.2	147
8	Rice bran oil based biodiesel production using calcium oxide catalyst derived from <i>Chicoreus brunneus</i> shell. <i>Energy</i> , 2018, 144, 10-19.	8.8	130
9	Experimental study and prediction of the performance and exhaust emissions of mixed <i>Jatropha curcas</i> - <i>Ceiba pentandra</i> biodiesel blends in diesel engine using artificial neural networks. <i>Journal of Cleaner Production</i> , 2017, 164, 618-633.	9.3	104
10	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
11	Intensification of <i>Reutealis trisperma</i> biodiesel production using infrared radiation: Simulation, optimisation and validation. <i>Renewable Energy</i> , 2019, 133, 520-527.	8.9	94
12	Optimization of transesterification process for <i>Ceiba pentandra</i> oil: A comparative study between kernel-based extreme learning machine and artificial neural networks. <i>Energy</i> , 2017, 134, 24-34.	8.8	89
13	Synthesis and optimization of <i>Hevea brasiliensis</i> and <i>Ricinus communis</i> as feedstock for biodiesel production: A comparative study. <i>Industrial Crops and Products</i> , 2016, 85, 274-286.	5.2	84
14	A comparative study of biodiesel production methods for <i>Reutealis trisperma</i> biodiesel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 2006-2014.	2.3	71
15	Optimization of bioethanol production from sorghum grains using artificial neural networks integrated with ant colony. <i>Industrial Crops and Products</i> , 2017, 97, 146-155.	5.2	67
16	Physicochemical property enhancement of biodiesel synthesis from hybrid feedstocks of waste cooking vegetable oil and Beauty leaf oil through optimized alkaline-catalysed transesterification. <i>Waste Management</i> , 2018, 80, 435-449.	7.4	63
17	<i>Schleichera oleosa</i> L oil as feedstock for biodiesel production. <i>Fuel</i> , 2015, 156, 63-70.	6.4	61
18	Optimization of ultrasound-assisted oil extraction from <i>Canarium odontophyllum</i> kernel as a novel biodiesel feedstock. <i>Journal of Cleaner Production</i> , 2021, 288, 125563.	9.3	59

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19	Pilot-scale production and the physicochemical properties of palm and <i>Calophyllum inophyllum</i> biodiesels and their blends. <i>Journal of Cleaner Production</i> , 2016, 126, 654-666.	9.3	58
20	A comparative study of ultrasound and infrared transesterification of <i>Sterculia foetida</i> oil for biodiesel production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 1339-1346.	2.3	51
21	Analysis of the performance, emission and combustion characteristics of a turbocharged diesel engine fuelled with <i>Jatropha curcas</i> biodiesel-diesel blends using kernel-based extreme learning machine. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25383-25405.	5.3	45
22	Application of microwave plasma technology to convert carbon dioxide (CO <sub>2</sub> ) into high value products: A review. <i>Journal of Cleaner Production</i> , 2022, 336, 130447.	9.3	39
23	Optimization of extraction of lipid from <i>Isochrysis galbana</i> microalgae species for biodiesel synthesis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 1167-1175.	2.3	37
24	Optimization of Reducing Sugar Production from <i>Manihot glaziovii</i> Starch Using Response Surface Methodology. <i>Energies</i> , 2017, 10, 35.	3.1	35
25	Organic Rankine Cycle (ORC) System Applications for Solar Energy: Recent Technological Advances. <i>Energies</i> , 2019, 12, 2930.	3.1	27
26	Physicochemical Properties of Biodiesel Synthesised from Grape Seed, Philippine Tung, Kesambi, and Palm Oils. <i>Energies</i> , 2020, 13, 1319.	3.1	27
27	Prediction of engine performance and emissions with <i>Manihot glaziovii</i> bioethanol ~ Gasoline blended using extreme learning machine. <i>Fuel</i> , 2017, 210, 914-921.	6.4	26
28	Current Progress of <i>Jatropha Curcas</i> Commoditisation as Biodiesel Feedstock: A Comprehensive Review. <i>Frontiers in Energy Research</i> , 2022, 9, .	2.3	24
29	Optimization of <i>Cerbera manghas</i> Biodiesel Production Using Artificial Neural Networks Integrated with Ant Colony Optimization. <i>Energies</i> , 2019, 12, 3811.	3.1	22
30	Resource Recovery from Waste Coffee Grounds Using Ultrasonic-Assisted Technology for Bioenergy Production. <i>Energies</i> , 2020, 13, 1770.	3.1	22
31	Characterization and Parametric Study on Mechanical Properties Enhancement in Biodegradable Chitosan-Reinforced Starch-Based Bioplastic Film. <i>Polymers</i> , 2022, 14, 278.	4.5	22
32	Modeling and Optimization of Microwave-Based Bio-Jet Fuel from Coconut Oil: Investigation of Response Surface Methodology (RSM) and Artificial Neural Network Methodology (ANN). <i>Energies</i> , 2021, 14, 295.	3.1	21
33	Optimisation of biodiesel production from mixed <i>Sterculia foetida</i> and rice bran oil. <i>International Journal of Ambient Energy</i> , 2022, 43, 4380-4390.	2.5	15
34	Production Process and Optimization of Solid Bioethanol from Empty Fruit Bunches of Palm Oil Using Response Surface Methodology. <i>Processes</i> , 2019, 7, 715.	2.8	14
35	Experimental Study on the Performance of an SI Engine Fueled by Waste Plastic Pyrolysis Oil ~ Gasoline Blends. <i>Energies</i> , 2020, 13, 4196.	3.1	14
36	The Effect of Multi-Walled Carbon Nanotubes-Additive in Physicochemical Property of Rice Brand Methyl Ester: Optimization Analysis. <i>Energies</i> , 2019, 12, 3291.	3.1	12

#	ARTICLE	IF	CITATIONS
37	Production of biodiesel from <i>Jatropha curcas</i> mixed with waste cooking oil assisted by ultrasound. IOP Conference Series: Earth and Environmental Science, 2020, 476, 012082.	0.3	5
38	The effect of ultrasound duty cycle in biodiesel production from <i>Ceiba pentandra</i> . IOP Conference Series: Earth and Environmental Science, 2021, 753, 012031.	0.3	1