

# Arridina Susan Silitonga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9576418/publications.pdf>

Version: 2024-02-01

77  
papers

8,242  
citations

71061

41  
h-index

82499

72  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and corrosion behaviors of mild steel in biodiesel-diesel blends. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 3887-3899.	1.2	9
2	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.	1.4	15
3	Tribological study on the biodiesel produced from waste cooking oil, waste cooking oil blend with <i>Calophyllum inophyllum</i> and its diesel blends on lubricant oil. <i>Energy Reports</i> , 2022, 8, 1578-1590.	2.5	20
4	Current Progress of <i>Jatropha Curcas</i> Commoditisation as Biodiesel Feedstock: A Comprehensive Review. <i>Frontiers in Energy Research</i> , 2022, 9, .	1.2	24
5	Modelling and prediction approach for engine performance and exhaust emission based on artificial intelligence of <i>sterculia foetida</i> biodiesel. <i>Energy Reports</i> , 2022, 8, 8333-8345.	2.5	10
6	Recent advances in biodiesel production from agricultural products and microalgae using ionic liquids: Opportunities and challenges. <i>Energy Conversion and Management</i> , 2021, 228, 113647.	4.4	114
7	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.	4.6	59
8	Biodiesel Production from <i>Reutealis trisperma</i> Oil Using Conventional and Ultrasonication through Esterification and Transesterification. <i>Sustainability</i> , 2021, 13, 3350.	1.6	14
9	The effect of ultrasound duty cycle in biodiesel production from <i>Ceiba pentandra</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 753, 012031.	0.2	1
10	A Comprehensive Review on the Recent Development of Ammonia as a Renewable Energy Carrier. <i>Energies</i> , 2021, 14, 3732.	1.6	50
11	Experimental Study of the Corrosiveness of Ternary Blends of Biodiesel Fuel. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	0
12	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.	4.3	187
13	Patent landscape review on biodiesel production: Technology updates. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 118, 109526.	8.2	298
14	Production of biodiesel from <i>Jatropha curcas</i> mixed with waste cooking oil assisted by ultrasound. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 476, 012082.	0.2	5
15	A Mini Review on the Cold Flow Properties of Biodiesel and its Blends. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	46
16	Lipid Extraction Maximization and Enzymatic Synthesis of Biodiesel from Microalgae. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6103.	1.3	30
17	Experimental Study on the Performance of an SI Engine Fueled by Waste Plastic Pyrolysis Oil-Gasoline Blends. <i>Energies</i> , 2020, 13, 4196.	1.6	14
18	Feasibility of microalgae as feedstock for alternative fuel in Malaysia: A review. <i>Energy Strategy Reviews</i> , 2020, 32, 100536.	3.3	48

#	ARTICLE	IF	CITATIONS
19	Effect of Ethanol and Gasoline Blending on the Performance of a Stationary Small Single Cylinder Engine. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5793-5802.	1.7	26
20	Prospect of using rice straw for power generation: a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25956-25969.	2.7	57
21	State of the Art of Catalysts for Biodiesel Production. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	214
22	Physicochemical Properties of Biodiesel Synthesised from Grape Seed, Philippine Tung, Kesambi, and Palm Oils. <i>Energies</i> , 2020, 13, 1319.	1.6	27
23	An Ultrasound Assisted Transesterification to Optimize Biodiesel Production from Rice Bran Oil. <i>International Journal of Technology</i> , 2020, 11, 225.	0.4	7
24	Pengaruh Campuran Bahan Bakar Pertalite-Bioetanol Biji Sorghum pada Mesin Bensin. <i>Jurnal Teknosains: Jurnal Ilmiah Sains Dan Teknologi</i> , 2020, 9, 91.	0.1	0
25	Experimental Investigation, Techno-Economic Analysis and Environmental Impact of Bioethanol Production from Banana Stem. <i>Energies</i> , 2019, 12, 3947.	1.6	22
26	Techno-Economic Analysis and Physicochemical Properties of Ceiba pentandra as Second-Generation Biodiesel Based on ASTM D6751 and EN 14214. <i>Processes</i> , 2019, 7, 636.	1.3	20
27	The Performance and Exhaust Emissions of a Diesel Engine Fuelled with Calophyllum inophyllum Palm Biodiesel. <i>Processes</i> , 2019, 7, 597.	1.3	17
28	Phase Change Materials (PCM) for Solar Energy Usages and Storage: An Overview. <i>Energies</i> , 2019, 12, 3167.	1.6	197
29	Performance and Emission Parameters of Homogeneous Charge Compression Ignition (HCCI) Engine: A Review. <i>Energies</i> , 2019, 12, 3557.	1.6	37
30	The Effect of Multi-Walled Carbon Nanotubes-Additive in Physicochemical Property of Rice Brand Methyl Ester: Optimization Analysis. <i>Energies</i> , 2019, 12, 3291.	1.6	12
31	Palm oil and its wastes as bioenergy sources: a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14849-14866.	2.7	86
32	Biodiesel production from Calophyllum inophyllum-Ceiba pentandra oil mixture: Optimization and characterization. <i>Journal of Cleaner Production</i> , 2019, 219, 183-198.	4.6	174
33	Optimization of Cerbera manghas Biodiesel Production Using Artificial Neural Networks Integrated with Ant Colony Optimization. <i>Energies</i> , 2019, 12, 3811.	1.6	22
34	Potential of Rice Industry Biomass as a Renewable Energy Source. <i>Energies</i> , 2019, 12, 4116.	1.6	38
35	Production Process and Optimization of Solid Bioethanol from Empty Fruit Bunches of Palm Oil Using Response Surface Methodology. <i>Processes</i> , 2019, 7, 715.	1.3	14
36	Intensification of Reutealis trisperma biodiesel production using infrared radiation: Simulation, optimisation and validation. <i>Renewable Energy</i> , 2019, 133, 520-527.	4.3	94

#	ARTICLE	IF	CITATIONS
37	Optimization of biodiesel production by microwave irradiation-assisted transesterification for waste cooking oil-Calophyllum inophyllum oil via response surface methodology. Energy Conversion and Management, 2018, 158, 400-415.	4.4	222
38	A review on the engine performance and exhaust emission characteristics of diesel engines fueled with biodiesel blends. Environmental Science and Pollution Research, 2018, 25, 15307-15325.	2.7	136
39	Experimental study on the performance and exhaust emissions of biodiesel bioethanol diesel fuel blends in diesel engine. , 2018, , .		2
40	Corrosion behaviours of mild steel in biodiesel-diesel fuel blend. , 2018, , .		2
41	The potential biodiesel production from <i>Cerbera odollam</i> oil (Bintaro) in Aceh. MATEC Web of Conferences, 2018, 159, 01049.	0.1	5
42	Physicochemical property enhancement of biodiesel synthesis from hybrid feedstocks of waste cooking vegetable oil and Beauty leaf oil through optimized alkaline-catalysed transesterification. Waste Management, 2018, 80, 435-449.	3.7	63
43	Evaluation of the engine performance and exhaust emissions of biodiesel-bioethanol-diesel blends using kernel-based extreme learning machine. Energy, 2018, 159, 1075-1087.	4.5	217
44	Optimization of extraction of lipid from <i>Isochrysis galbana</i> microalgae species for biodiesel synthesis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1167-1175.	1.2	37
45	Biodiesel production from <i>Calophyllum inophyllum</i> palm mixed oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1283-1289.	1.2	64
46	Optimization of transesterification process for Ceiba pentandra oil: A comparative study between kernel-based extreme learning machine and artificial neural networks. Energy, 2017, 134, 24-34.	4.5	89
47	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. Journal of Cleaner Production, 2017, 164, 618-633.	4.6	104
48	A comparative study of ultrasound and infrared transesterification of <i>Sterculia foetida</i> oil for biodiesel production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1339-1346.	1.2	51
49	Optimization of bioethanol production from sorghum grains using artificial neural networks integrated with ant colony. Industrial Crops and Products, 2017, 97, 146-155.	2.5	67
50	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. Environmental Science and Pollution Research, 2017, 24, 25383-25405.	2.7	45
51	Prediction of engine performance and emissions with <i>Manihot glaziovii</i> bioethanol Gasoline blended using extreme learning machine. Fuel, 2017, 210, 914-921.	3.4	26
52	A comparative study of biodiesel production methods for <i>Reutealis trisperma</i> biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 2006-2014.	1.2	71
53	Optimization of Reducing Sugar Production from <i>Manihot glaziovii</i> Starch Using Response Surface Methodology. Energies, 2017, 10, 35.	1.6	35
54	Pilot-scale production and the physicochemical properties of palm and <i>Calophyllum inophyllum</i> biodiesels and their blends. Journal of Cleaner Production, 2016, 126, 654-666.	4.6	58

#	ARTICLE	IF	CITATIONS
55	An overview of engine durability and compatibility using biodieselâ€bioethanolâ€diesel blends in compression-ignition engines. <i>Energy Conversion and Management</i> , 2016, 128, 66-81.	4.4	99
56	A perspective on bioethanol production from biomass as alternative fuel for spark ignition engine. <i>RSC Advances</i> , 2016, 6, 14964-14992.	1.7	70
57	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.	2.5	84
58	Optimization of biodiesel production process for mixed <i>Jatropha curcas</i> â€Ceiba pentandra biodiesel using response surface methodology. <i>Energy Conversion and Management</i> , 2016, 115, 178-190.	4.4	281
59	<i>Schleichera oleosa</i> L oil as feedstock for biodiesel production. <i>Fuel</i> , 2015, 156, 63-70.	3.4	61
60	Investigation of Biodiesel Production from <i>Cerbera manghas</i> Biofuel Sources. <i>Energy Procedia</i> , 2014, 61, 436-439.	1.8	16
61	Biodiesel Conversion from High FFA Crude <i>Jatropha Curcas</i> , <i>Calophyllum Inophyllum</i> and <i>Ceiba Pentandra</i> Oil. <i>Energy Procedia</i> , 2014, 61, 480-483.	1.8	64
62	Engine performance and emissions using <i>Jatropha curcas</i> , <i>Ceiba pentandra</i> and <i>Calophyllum inophyllum</i> biodiesel in a CI diesel engine. <i>Energy</i> , 2014, 69, 427-445.	4.5	252
63	Optimization of biodiesel production and engine performance from high free fatty acid <i>Calophyllum inophyllum</i> oil in CI diesel engine. <i>Energy Conversion and Management</i> , 2014, 81, 30-40.	4.4	267
64	A global comparative review of biodiesel production from <i>jatropha curcas</i> using different homogeneous acid and alkaline catalysts: Study of physical and chemical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 24, 514-533.	8.2	81
65	Production and comparative fuel properties of biodiesel from non-edible oils: <i>Jatropha curcas</i> , <i>Sterculia foetida</i> and <i>Ceiba pentandra</i> . <i>Energy Conversion and Management</i> , 2013, 73, 245-255.	4.4	271
66	Non-edible vegetable oils: A critical evaluation of oil extraction, fatty acid compositions, biodiesel production, characteristics, engine performance and emissions production. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 211-245.	8.2	953
67	Experimental study on performance and exhaust emissions of a diesel engine fuelled with <i>Ceiba pentandra</i> biodiesel blends. <i>Energy Conversion and Management</i> , 2013, 76, 828-836.	4.4	139
68	Overview properties of biodiesel diesel blends from edible and non-edible feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 346-360.	8.2	276
69	Characterization and production of <i>Ceiba pentandra</i> biodiesel and its blends. <i>Fuel</i> , 2013, 108, 855-858.	3.4	89
70	Production of biodiesel from <i>Sterculia foetida</i> and its process optimization. <i>Fuel</i> , 2013, 111, 478-484.	3.4	61
71	A comprehensive review on biodiesel as an alternative energy resource and its characteristics. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2070-2093.	8.2	1,383
72	Review on fuel economy standard and label for vehicle in selected ASEAN countries. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 1683-1695.	8.2	30

#	ARTICLE	IF	CITATIONS
73	Cost benefit analysis and environmental impact of fuel economy standards for passenger cars in Indonesia. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 3547-3558.	8.2	6
74	Techno-economic analysis and environmental impact of fuel economy labels for passenger cars in Indonesia. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 5212-5217.	8.2	11
75	A review on prospect of <i>Jatropha curcas</i> for biodiesel in Indonesia. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3733-3756.	8.2	266
76	A review on global fuel economy standards, labels and technologies in the transportation sector. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4586-4610.	8.2	176
77	Energy Economical and Environmental Analysis of Industrial Boilers Using VSD. <i>Applied Mechanics and Materials</i> , 0, 110-116, 3223-3233.	0.2	0