

# Obed Ali

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,841  
citations

304368

22  
h-index

288905

40  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alcohol and ether as alternative fuels in spark ignition engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2586-2605.	8.2	215
2	Analysis of blended fuel properties and engine performance with palm biodieselâ€“diesel blended fuel. <i>Renewable Energy</i> , 2016, 86, 59-67.	4.3	198
3	Response surface methodology (RSM) based multi-objective optimization of fusel oil -gasoline blends at different water content in SI engine. <i>Energy Conversion and Management</i> , 2017, 150, 222-241.	4.4	97
4	Application of response surface methodology in optimization of performance and exhaust emissions of secondary butyl alcohol-gasoline blends in SI engine. <i>Energy Conversion and Management</i> , 2017, 133, 178-195.	4.4	77
5	Particulate emissions from gasoline direct injection engines: A review of how current emission regulations are being met by automobile manufacturers. <i>Science of the Total Environment</i> , 2020, 718, 137302.	3.9	74
6	Potentials of palm oil as new feedstock oil for a global alternative fuel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1034-1049.	8.2	73
7	Analysis of blended fuel properties and cycle-to-cycle variation in a diesel engine with a diethyl ether additive. <i>Energy Conversion and Management</i> , 2016, 108, 511-519.	4.4	70
8	Using fusel oil as a blend in gasoline to improve SI engine efficiencies: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 1232-1242.	8.2	68
9	Overview of polyoxymethylene dimethyl ether additive as an eco-friendly fuel for an internal combustion engine: Current application and environmental impacts. <i>Science of the Total Environment</i> , 2020, 715, 136849.	3.9	68
10	Optimization of Biodiesel-Diesel Blended Fuel Properties and Engine Performance with Ether Additive Using Statistical Analysis and Response Surface Methods. <i>Energies</i> , 2015, 8, 14136-14150.	1.6	64
11	Review of the effects of additives on biodiesel properties, performance, and emission features. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	0.8	60
12	Effect of emulsification and blending on the oxygenation and substitution of diesel fuel for compression ignition engine. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 1281-1294.	8.2	60
13	Experimental investigation of modified solar still integrated with solar collector. <i>Case Studies in Thermal Engineering</i> , 2020, 19, 100614.	2.8	57
14	Influence of Chemical Blends on Palm Oil Methyl Estersâ€™ Cold Flow Properties and Fuel Characteristics. <i>Energies</i> , 2014, 7, 4364-4380.	1.6	54
15	Evaluation on physicochemical properties of iso-butanol additives in ethanol-gasoline blend on performance and emission characteristics of a spark-ignition engine. <i>Applied Thermal Engineering</i> , 2018, 144, 960-971.	3.0	53
16	The effect of adding fusel oil to diesel on the performance and the emissions characteristics in a single cylinder CI engine. <i>Journal of the Energy Institute</i> , 2017, 90, 382-396.	2.7	50
17	Prediction of emissions and performance of a gasoline engine running with fusel oilâ€“gasoline blends using response surface methodology. <i>Fuel</i> , 2019, 253, 1-14.	3.4	45
18	Comparison of the Effect of Different Alcohol Additives with Blended Fuel on Cyclic Variation in Diesel Engine. <i>Energy Procedia</i> , 2015, 75, 2357-2362.	1.8	34

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19	Performance and combustion characteristics of an SI engine fueled with fusel oil-gasoline at different water content. <i>Applied Thermal Engineering</i> , 2017, 123, 1374-1385.	3.0	24
20	Wavelet analysis of an SI engine cycle-to-cycle variations fuelled with the blending of gasoline -fusel oil at a various water content. <i>Energy Conversion and Management</i> , 2019, 183, 746-752.	4.4	24
21	Evaluation of distilled water quality and production costs from a modified solar still integrated with an outdoor solar water heater. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101216.	2.8	24
22	Impact of fusel oil moisture reduction on the fuel properties and combustion characteristics of SI engine fueled with gasoline-fusel oil blends. <i>Renewable Energy</i> , 2018, 123, 79-91.	4.3	23
23	Assessment of the performance of solar water heater: an experimental and theoretical investigation. <i>International Journal of Low-Carbon Technologies</i> , 2022, 17, 528-539.	1.2	23
24	Effects of Particulate Matter Emissions of Diesel Engine using Diesel-Methanol Blends. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 6, 959-967.	0.3	20
25	Performance of Bi-fluid PV/thermal collector integrated with phase change material: Experimental assessment. <i>Solar Energy</i> , 2022, 235, 50-61.	2.9	17
26	Study of Diesel-biodiesel Fuel Properties and Wavelet Analysis on Cyclic Variations in a Diesel Engine. <i>Energy Procedia</i> , 2017, 110, 498-503.	1.8	15
27	Improving Engine Performance and Low Temperature Properties of Blended Palm Biodiesel Using Additives. A Review. <i>Applied Mechanics and Materials</i> , 0, 315, 68-72.	0.2	13
28	Effects of Blending Ethanol with Palm Oil Methyl Esters on low Temperature Flow Properties and Fuel Characteristics. <i>International Journal of Advanced Science and Technology</i> , 2013, 59, 85-96.	0.3	12
29	Experimental analysis of thermal performance for flat plate solar water collector in the climate conditions of Yekaterinburg, Russia. <i>Materials Today: Proceedings</i> , 2021, 42, 2076-2083.	0.9	11
30	Analysis of Blended Fuel Properties and Engine Cyclic Variations with Ethanol Additive. <i>Journal of Biobased Materials and Bioenergy</i> , 2015, 9, 108-114.	0.1	11
31	Photovoltaic Thermal Collectors Integrated with Phase Change Materials: A Comprehensive Analysis. <i>Electronics (Switzerland)</i> , 2022, 11, 337.	1.8	11
32	Potential of Biodiesel as Fuel for Diesel Engine. , 2017, , 557-590.		10
33	Effects of Diesel-Biodiesel Blends in Diesel Engine Single Cylinder on the Emission Characteristic. <i>MATEC Web of Conferences</i> , 2018, 225, 01013.	0.1	10
34	Experimental investigations of single-slope solar still integrated with a hollow rotating cylinder. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 745, 012063.	0.3	10
35	Experimental Study of Performance and Emissions of Fusel Oil-Diesel Blend in a Single Cylinder Diesel Engine. <i>International Journal of Engineering and Technology</i> , 2017, 9, 138-142.	0.1	10
36	Experimental Study of a Tilt Single Slope Solar Still Integrated with Aluminum Condensate Plate. <i>Inventions</i> , 2021, 6, 77.	1.3	10

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37	Optimum Performance Enhancing Strategies of the Gas Turbine Based on the Effective Temperatures. MATEC Web of Conferences, 2016, 38, 01002.	0.1	9
38	Influence of 1-Butanol Additives on Palm Biodiesel Fuel Characteristics and Low Temperature Flow Properties. Applied Mechanics and Materials, 0, 465-466, 130-136.	0.2	8
39	Effect of Welding Current on Weldments Properties in MIG and TIG Welding. International Journal of Engineering and Technology(UAE), 2018, 7, 192.	0.2	8
40	A Practical Study of a Rectangular Basin Solar Distillation with Single Slope Using Paraffin Wax (PCM) Cells. International Journal on Energy Conversion, 2019, 7, 162.	0.5	8
41	Enhancement of engine performance with high blended diesel-biodiesel fuel using iso-butanol additive. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032013.	0.3	7
42	COD removal from disperse blue dye 79 in wastewater by using Ozone-Fenton process. IOP Conference Series: Materials Science and Engineering, 2019, 518, 062015.	0.3	7
43	Evaluation of diesel engine performance with high blended diesel-biodiesel fuel from waste cooking oil. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032054.	0.3	7
44	Experimental Investigation of Modified Solar Still Productivity under Variable Climatic Conditions. International Journal of Design and Nature and Ecodynamics, 2020, 15, 15-1.	0.3	7
45	AN OVERVIEW OF SPARK IGNITION ENGINE OPERATING ON LOWER-HIGHER MOLECULAR MASS ALCOHOL BLENDED GASOLINE FUELS. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.3	6
46	Effects of different chemical additives on biodiesel fuel properties and engine performance. A comparison review. MATEC Web of Conferences, 2016, 38, 03002.	0.1	6
47	Investigation of the coefficient of heat transfer and daily cumulative production in a single-slope solar distiller at different water depths. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 2820-2837.	1.2	6
48	Experimental study and economic cost analysis about enhancement productivity for a conventional solar still combined with humidifiers ultrasonic. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-17.	1.2	6
49	Experimental and Theoretical Investigations of a Modified Single-Slope Solar Still with an External Solar Water Heater. Sustainability, 2021, 13, 12414.	1.6	6
50	Influence of Oxygenated Additive on Blended Biodiesel-Diesel Fuel Properties. Applied Mechanics and Materials, 2013, 393, 487-492.	0.2	5
51	Evaluation of the productivity for new design single slope solar still at different saltwater depth. Journal of Physics: Conference Series, 2020, 1706, 012002.	0.3	5
52	Combustion and emissions characteristics of a compression ignition engine fueled with n-butanol blends. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012048.	0.3	4
53	Improvement of AISI 1018 Carbon Steel Gr 1018 mechanical properties by liquid carburizing in salt bath. Materials Today: Proceedings, 2020, 20, 512-516.	0.9	4
54	Effect of Hollow Drum Rotational Speed Variation on the Productivity of Modified Solar Still According to Yekaterinburg City, Russia. Applied Solar Energy (English Translation of Geliotekhnika), 2020, 56, 276-283.	0.2	4

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55	Enhancement of SI engines performance operating with gasoline fuel using high octane additives from waste materials. AIP Conference Proceedings, 2020, , .	0.3	4
56	Effect of Spot-Welding Current-Cycle for Medium Carbon Steel And Stainless Steel on Mechanical Properties. International Journal of Engineering and Technology(UAE), 2018, 7, 214.	0.2	4
57	Characterization of Blended Biodiesel Fuel Properties with Small Portion of Butanol as a Fuel Additive. Applied Mechanics and Materials, 0, 465-466, 137-141.	0.2	3
58	Wavelet Analysis of the Effect of Injection Strategies on Cycle to Cycle Variation GDI Optical Engine under Clean and Fouled Injector. Processes, 2019, 7, 817.	1.3	3
59	Enhancement of Gasoline Fuel Quality with Commercial Additives to Improve Engine Performance. IOP Conference Series: Materials Science and Engineering, 2020, 745, 012065.	0.3	3
60	Comparison of local gasoline fuel characteristics and SI engine performance with commercial fuel additives. AIP Conference Proceedings, 2020, , .	0.3	3
61	Operating of Gasoline Engine Using Naphtha and Octane Boosters from Waste as Fuel Additives. Sustainability, 2021, 13, 13019.	1.6	3
62	Characteristic of blended fuel properties and engine cycle-to-cycle variations with butanol additive. AIP Conference Proceedings, 2015, , .	0.3	2
63	Experimental investigation of solar distillation system integrated with photoelectric diffusion-absorption refrigerator (DAR). AIP Conference Proceedings, 2020, , .	0.3	2
64	Utilization of additive from waste products with gasoline fuel to operate spark ignition engine. Scientific Reports, 2022, 12, 7714.	1.6	2
65	COMBUSTION AND EMISSIONS CHARACTERISTICS OF A COMPRESSION IGNITION ENGINE FUELLED WITH N-BUTANOL BLENDS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	1
66	Comparative study of the different materials combinations used for roof insulation in Iraq. Materials Today: Proceedings, 2021, 42, 2285-2289.	0.9	1
67	Gasoline Engine Simulation Software: A Comparison Review. IOP Conference Series: Materials Science and Engineering, 2021, 1076, 012070.	0.3	1
68	Improving Diesel Engine Efficiency and Emissions Using Fuel Additives. Diyala Journal of Engineering Sciences, 2018, 11, 74-78.	0.3	1