

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	Photovoltaic Thermal Collectors Integrated with Phase Change Materials: A Comprehensive Analysis. Electronics (Switzerland), 2022, 11, 337.	1.8	11
2	Performance of Bi-fluid PV/thermal collector integrated with phase change material: Experimental assessment. Solar Energy, 2022, 235, 50-61.	2.9	17
3	Assessment of the performance of solar water heater: an experimental and theoretical investigation. International Journal of Low-Carbon Technologies, 2022, 17, 528-539.	1.2	23
4	Utilization of additive from waste products with gasoline fuel to operate spark ignition engine. Scientific Reports, 2022, 12, 7714.	1.6	2
5	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
6	Comparative study of the different materials combinations used for roof insulation in Iraq. Materials Today: Proceedings, 2021, 42, 2285-2289.	0.9	1
7	Gasoline Engine Simulation Software: A Comparison Review. IOP Conference Series: Materials Science and Engineering, 2021, 1076, 012070.	0.3	1
8	Evaluation of distilled water quality and production costs from a modified solar still integrated with an outdoor solar water heater. Case Studies in Thermal Engineering, 2021, 27, 101216.	2.8	24
9	Experimental analysis of thermal performance for flat plate solar water collector in the climate conditions of Yekaterinburg, Russia. Materials Today: Proceedings, 2021, 42, 2076-2083.	0.9	11
10	Experimental Study of a Tilt Single Slope Solar Still Integrated with Aluminum Condensate Plate. Inventions, 2021, 6, 77.	1.3	10
11	Operating of Gasoline Engine Using Naphtha and Octane Boosters from Waste as Fuel Additives. Sustainability, 2021, 13, 13019.	1.6	3
12	Experimental and Theoretical Investigations of a Modified Single-Slope Solar Still with an External Solar Water Heater. Sustainability, 2021, 13, 12414.	1.6	6
13	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
14	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
15	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
16	Comparison of local gasoline fuel characteristics and SI engine performance with commercial fuel additives. AIP Conference Proceedings, 2020, , .	0.3	3
17	Experimental investigations of single-slope solar still integrated with a hollow rotating cylinder. IOP Conference Series: Materials Science and Engineering, 2020, 745, 012063.	0.3	10
18	Enhancement of SI engines performance operating with gasoline fuel using high octane additives from waste materials. AIP Conference Proceedings, 2020, , .	0.3	4

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Experimental investigation of modified solar still integrated with solar collector. <i>Case Studies in Thermal Engineering</i> , 2020, 19, 100614.	2.8	57
22	Evaluation of the productivity for new design single slope solar still at different saltwater depth. <i>Journal of Physics: Conference Series</i> , 2020, 1706, 012002.	0.3	5
23	Experimental Investigation of Modified Solar Still Productivity under Variable Climatic Conditions. <i>International Journal of Design and Nature and Ecodynamics</i> , 2020, 15, 15-1.	0.3	7
24	Experimental investigation of solar distillation system integrated with photoelectric diffusion-absorption refrigerator (DAR). <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
25	Enhancement of engine performance with high blended diesel-biodiesel fuel using iso-butanol additive. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 518, 032013.	0.3	7
26	COD removal from disperse blue dye 79 in wastewater by using Ozone-Fenton process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 518, 062015.	0.3	7
27	Evaluation of diesel engine performance with high blended diesel-biodiesel fuel from waste cooking oil. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 518, 032054.	0.3	7
28	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
29	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
30	Wavelet Analysis of the Effect of Injection Strategies on Cycle to Cycle Variation GDI Optical Engine under Clean and Fouled Injector. <i>Processes</i> , 2019, 7, 817.	1.3	3
31	A Practical Study of a Rectangular Basin Solar Distillation with Single Slope Using Paraffin Wax (PCM) Cells. <i>International Journal on Energy Conversion</i> , 2019, 7, 162.	0.5	8
32	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
33	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
34	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
35	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
36	Effect of Welding Current on Weldments Properties in MIG and TIG Welding. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 192.	0.2	8

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37	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
38	Improving Diesel Engine Efficiency and Emissions Using Fuel Additives. Diyala Journal of Engineering Sciences, 2018, 11, 74-78.	0.3	1
39	The effect of adding fusel oil to diesel on the performance and the emissions characteristics in a single cylinder CI engine. Journal of the Energy Institute, 2017, 90, 382-396.	2.7	50
40	Study of Diesel-biodiesel Fuel Properties and Wavelet Analysis on Cyclic Variations in a Diesel Engine. Energy Procedia, 2017, 110, 498-503.	1.8	15
41	Potentials of palm oil as new feedstock oil for a global alternative fuel: A review. Renewable and Sustainable Energy Reviews, 2017, 79, 1034-1049.	8.2	73
42	Performance and combustion characteristics of an SI engine fueled with fusel oil-gasoline at different water content. Applied Thermal Engineering, 2017, 123, 1374-1385.	3.0	24
43	Using fusel oil as a blend in gasoline to improve SI engine efficiencies: A comprehensive review. Renewable and Sustainable Energy Reviews, 2017, 69, 1232-1242.	8.2	68
44	Application of response surface methodology in optimization of performance and exhaust emissions of secondary butyl alcohol-gasoline blends in SI engine. Energy Conversion and Management, 2017, 133, 178-195.	4.4	77
45	Response surface methodology (RSM) based multi-objective optimization of fusel oil -gasoline blends at different water content in SI engine. Energy Conversion and Management, 2017, 150, 222-241.	4.4	97
46	Effect of emulsification and blending on the oxygenation and substitution of diesel fuel for compression ignition engine. Renewable and Sustainable Energy Reviews, 2017, 75, 1281-1294.	8.2	60
47	Potential of Biodiesel as Fuel for Diesel Engine. , 2017, , 557-590.		10
48	Experimental Study of Performance and Emissions of Fusel Oil-Diesel Blend in a Single Cylinder Diesel Engine. International Journal of Engineering and Technology, 2017, 9, 138-142.	0.1	10
49	Optimum Performance Enhancing Strategies of the Gas Turbine Based on the Effective Temperatures. MATEC Web of Conferences, 2016, 38, 01002.	0.1	9
50	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
51	Analysis of blended fuel properties and cycle-to-cycle variation in a diesel engine with a diethyl ether additive. Energy Conversion and Management, 2016, 108, 511-519.	4.4	70
52	Analysis of blended fuel properties and engine performance with palm biodiesel“diesel blended fuel. Renewable Energy, 2016, 86, 59-67.	4.3	198
53	Characteristic of blended fuel properties and engine cycle-to-cycle variations with butanol additive. AIP Conference Proceedings, 2015, , .	0.3	2
54	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

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55	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
56	COMBUSTION AND EMISSIONS CHARACTERISTICS OF A COMPRESSION IGNITION ENGINE FUELLED WITH N-BUTANOL BLENDS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, .	0.3	1
57	Combustion and emissions characteristics of a compression ignition engine fueled with n-butanol blends. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 100, 012048.	0.3	4
58	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
59	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
60	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
61	Effects of Particulate Matter Emissions of Diesel Engine using Dieselâ€™Methanol Blends. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 6, 959-967.	0.3	20
62	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
63	Influence of Oxygenated Additive on Blended Biodiesel-Diesel Fuel Properties. <i>Applied Mechanics and Materials</i> , 2013, 393, 487-492.	0.2	5
64	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
65	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
66	Characterization of Blended Biodiesel Fuel Properties with Small Portion of Butanol as a Fuel Additive. <i>Applied Mechanics and Materials</i> , 0, 465-466, 137-141.	0.2	3
67	Influence of 1-Butanol Additives on Palm Biodiesel Fuel Characteristics and Low Temperature Flow Properties. <i>Applied Mechanics and Materials</i> , 0, 465-466, 130-136.	0.2	8
68	Experimental study and economic cost analysis about enhancement productivity for a conventional solar still combined with humidifiers ultrasonic. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-17.	1.2	6