

Mohammad Abul Kalam

List of Publications by Year in descending order

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283
papers

18,710
citations

8208

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times ranked

10792
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#	ARTICLE	IF	CITATIONS
1	Production and comparison of fuel properties, engine performance, and emission characteristics of biodiesel from various non-edible vegetable oils: A review. <i>Energy Conversion and Management</i> , 2014, 80, 202-228.	4.4	483
2	The effect of nano-additives in diesel-biodiesel fuel blends: A comprehensive review on stability, engine performance and emission characteristics. <i>Energy Conversion and Management</i> , 2018, 178, 146-177.	4.4	362
3	Biodiesel from palmoilâ€”an analysis of its properties and potential. <i>Biomass and Bioenergy</i> , 2002, 23, 471-479.	2.9	314
4	The prospects of biolubricants as alternatives in automotive applications. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 34-43.	8.2	314
5	Effect of ethanolâ€”gasoline blend on NOx emission in SI engine. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 24, 209-222.	8.2	313
6	Impacts of biodiesel combustion on NOx emissions and their reduction approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 473-490.	8.2	308
7	Tribological performance of nanoparticles as lubricating oil additives. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	274
8	Effect of antioxidant on the performance and emission characteristics of a diesel engine fueled with palm biodiesel blends. <i>Energy Conversion and Management</i> , 2014, 79, 265-272.	4.4	271
9	A study on the effects of promising edible and non-edible biodiesel feedstocks on engine performance and emissions production: A comparative evaluation. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 391-404.	8.2	260
10	Evaluation of biodiesel blending, engine performance and emissions characteristics of <i>Jatropha curcas</i> methyl ester: Malaysian perspective. <i>Energy</i> , 2013, 55, 879-887.	4.5	259
11	Ignition delay, combustion and emission characteristics of diesel engine fueled with biodiesel. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 623-632.	8.2	242
12	A review on bio-based lubricants and their applications. <i>Journal of Cleaner Production</i> , 2017, 168, 997-1016.	4.6	239
13	Comparative evaluation of performance and emission characteristics of <i>Moringa oleifera</i> and Palm oil based biodiesel in a diesel engine. <i>Industrial Crops and Products</i> , 2014, 53, 78-84.	2.5	232
14	Impact of low temperature combustion attaining strategies on diesel engine emissions for diesel and biodiesels: A review. <i>Energy Conversion and Management</i> , 2014, 80, 329-356.	4.4	228
15	Feasibility of dieselâ€”biodieselâ€”ethanol/bioethanol blend as existing CI engine fuel: An assessment of properties, material compatibility, safety and combustion. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 379-395.	8.2	214
16	The effect of additives on properties, performance and emission of biodiesel fuelled compression ignition engine. <i>Energy Conversion and Management</i> , 2014, 88, 348-364.	4.4	213
17	An Overview of Biofuel as a Renewable Energy Source: Development and Challenges. <i>Procedia Engineering</i> , 2013, 56, 39-53.	1.2	208
18	An experimental investigation of CNG as an alternative fuel for a retrofitted gasoline vehicle. <i>Fuel</i> , 2006, 85, 717-724.	3.4	205

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19	Higher alcoholâ€“biodieselâ€“diesel blends: An approach for improving the performance, emission, and combustion of a light-duty diesel engine. <i>Energy Conversion and Management</i> , 2016, 111, 174-185.	4.4	202
20	Prospects of biodiesel from <i>Jatropha</i> in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5007-5020.	8.2	197
21	Emission and performance characteristics of an indirect ignition diesel engine fuelled with waste cooking oil. <i>Energy</i> , 2011, 36, 397-402.	4.5	186
22	Potential emissions reduction in road transport sector using biofuel in developing countries. <i>Atmospheric Environment</i> , 2010, 44, 3869-3877.	1.9	179
23	Impact of various biodiesel fuels obtained from edible and non-edible oils on engine exhaust gas and noise emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 18, 552-567.	8.2	176
24	Exhaust emission and combustion evaluation of coconut oil-powered indirect injection diesel engine. <i>Renewable Energy</i> , 2003, 28, 2405-2415.	4.3	175
25	Prospects of dedicated biodiesel engine vehicles in Malaysia and Indonesia. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 220-235.	8.2	174
26	Effect of antioxidants on oxidation stability of biodiesel derived from vegetable and animal based feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 356-370.	8.2	173
27	Experimental investigation of performance and regulated emissions of a diesel engine with <i>Calophyllum inophyllum</i> biodiesel blends accompanied by oxidation inhibitors. <i>Energy Conversion and Management</i> , 2014, 83, 232-240.	4.4	172
28	Influence of injection timing and split injection strategies on performance, emissions, and combustion characteristics of diesel engine fueled with biodiesel blended fuels. <i>Fuel</i> , 2018, 213, 106-114.	3.4	170
29	Wear prevention characteristics of a palm oil-based TMP (trimethylolpropane) ester as an engine lubricant. <i>Energy</i> , 2013, 54, 167-173.	4.5	167
30	Review on alcohol fumigation on diesel engine: A viable alternative dual fuel technology for satisfactory engine performance and reduction of environment concerning emission. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 739-751.	8.2	166
31	Comparative engine performance and emission analysis of CNG and gasoline in a retrofitted car engine. <i>Applied Thermal Engineering</i> , 2010, 30, 2219-2226.	3.0	165
32	Performance and emission assessment of dieselâ€“biodieselâ€“ethanol/bioethanol blend as a fuel in diesel engines: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 48, 62-78.	8.2	165
33	Impacts of NOx reducing antioxidant additive on performance and emissions of a multi-cylinder diesel engine fueled with <i>Jatropha</i> biodiesel blends. <i>Energy Conversion and Management</i> , 2014, 77, 577-585.	4.4	161
34	Effect of biodiesel from various feedstocks on combustion characteristics, engine durability and materials compatibility: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 28, 441-455.	8.2	156
35	Production of palm and <i>Calophyllum inophyllum</i> based biodiesel and investigation of blend performance and exhaust emission in an unmodified diesel engine at high idling conditions. <i>Energy Conversion and Management</i> , 2013, 76, 362-367.	4.4	154
36	The effects of graphene oxide nanoparticle additive stably dispersed in dairy scum oil biodiesel-diesel fuel blend on CI engine: performance, emission and combustion characteristics. <i>Fuel</i> , 2019, 257, 116015.	3.4	152

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37	Emissions and deposit characteristics of a small diesel engine when operated on preheated crude palm oil. <i>Biomass and Bioenergy</i> , 2004, 27, 289-297.	2.9	150
38	Energy balance of internal combustion engines using alternative fuels. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 20-33.	8.2	150
39	Production of palm and jatropha based biodiesel and investigation of palm-jatropha combined blend properties, performance, exhaust emission and noise in an unmodified diesel engine. <i>Journal of Cleaner Production</i> , 2014, 65, 295-303.	4.6	148
40	Environmental aspects and challenges of oilseed produced biodiesel in Southeast Asia. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2452-2462.	8.2	145
41	Improving the AW/EP ability of chemically modified palm oil by adding CuO and MoS ₂ nanoparticles. <i>Tribology International</i> , 2015, 88, 271-279.	3.0	145
42	An investigation of the engine performance, emissions and combustion characteristics of coconut biodiesel in a high-pressure common-rail diesel engine. <i>Energy</i> , 2014, 69, 749-759.	4.5	144
43	Biodiesel production and performance evaluation of coconut, palm and their combined blend with diesel in a single-cylinder diesel engine. <i>Energy Conversion and Management</i> , 2014, 87, 250-257.	4.4	144
44	Fuel properties, engine performance and emission characteristic of common biodiesels as a renewable and sustainable source of fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 133-147.	8.2	143
45	Impact of oxygenated additives to palm and jatropha biodiesel blends in the context of performance and emissions characteristics of a light-duty diesel engine. <i>Energy Conversion and Management</i> , 2014, 83, 149-158.	4.4	140
46	An investigation on the influence of aluminium oxide nano-additive and honge oil methyl ester on engine performance, combustion and emission characteristics. <i>Renewable Energy</i> , 2020, 146, 2291-2307.	4.3	140
47	Effect of Coconut Biodiesel Blended Fuels on Engine Performance and Emission Characteristics. <i>Procedia Engineering</i> , 2013, 56, 583-590.	1.2	139
48	Surface Texture Manufacturing Techniques and Tribological Effect of Surface Texturing on Cutting Tool Performance: A Review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 447-481.	6.8	138
49	An experimental investigation of high performance natural gas engine with direct injection. <i>Energy</i> , 2011, 36, 3563-3571.	4.5	137
50	Comparative study of nanoparticles and alcoholic fuel additives-biodiesel-diesel blend for performance and emission improvements. <i>Fuel</i> , 2020, 279, 118434.	3.4	136
51	Properties and use of Moringa oleifera biodiesel and diesel fuel blends in a multi-cylinder diesel engine. <i>Energy Conversion and Management</i> , 2014, 82, 169-176.	4.4	132
52	Effect of alcohol-gasoline blends optimization on fuel properties, performance and emissions of a SI engine. <i>Journal of Cleaner Production</i> , 2015, 86, 230-237.	4.6	128
53	State of the art of NO _x mitigation technologies and their effect on the performance and emission characteristics of biodiesel-fueled Compression Ignition engines. <i>Energy Conversion and Management</i> , 2013, 76, 400-420.	4.4	127
54	An updated overview of diamond-like carbon coating in tribology. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2015, 40, 90-118.	6.8	126

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55	Impact of idling on fuel consumption and exhaust emissions and available idle-reduction technologies for diesel vehicles – A review. <i>Energy Conversion and Management</i> , 2013, 74, 171-182.	4.4	125
56	State of the art of biodiesel production processes: a review of the heterogeneous catalyst. <i>RSC Advances</i> , 2015, 5, 101023-101044.	1.7	121
57	Comparative tribological investigation of bio-lubricant formulated from a non-edible oil source (Jatropha oil). <i>Industrial Crops and Products</i> , 2013, 47, 323-330.	2.5	119
58	An experimental investigation into biodiesel stability by means of oxidation and property determination. <i>Energy</i> , 2012, 44, 616-622.	4.5	118
59	Impact of palm, mustard, waste cooking oil and Calophyllum inophyllum biofuels on performance and emission of CI engine. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 27, 664-682.	8.2	118
60	Performance and emission analysis of Jatropha curcas and Moringa oleifera methyl ester fuel blends in a multi-cylinder diesel engine. <i>Journal of Cleaner Production</i> , 2014, 65, 304-310.	4.6	116
61	Performance and emission characteristics of a diesel engine fueled with palm, jatropha, and moringa oil methyl ester. <i>Industrial Crops and Products</i> , 2016, 79, 70-76.	2.5	110
62	Performance, emissions, and heat losses of palm and jatropha biodiesel blends in a diesel engine. <i>Industrial Crops and Products</i> , 2014, 59, 96-104.	2.5	105
63	A public survey on knowledge, awareness, attitude and willingness to pay for WEEE management: Case study in Bangladesh. <i>Journal of Cleaner Production</i> , 2016, 137, 728-740.	4.6	105
64	Experimental Analysis of Tribological Properties of Biolubricant with Nanoparticle Additive. <i>Procedia Engineering</i> , 2013, 68, 152-157.	1.2	104
65	Testing palm biodiesel and NPAA additives to control NOx and CO while improving efficiency in diesel engines. <i>Biomass and Bioenergy</i> , 2008, 32, 1116-1122.	2.9	103
66	Biodiesel production, characterization, engine performance, and emission characteristics of Malaysian Alexandrian laurel oil. <i>RSC Advances</i> , 2014, 4, 17787-17796.	1.7	101
67	A comprehensive review on biodiesel cold flow properties and oxidation stability along with their improvement processes. <i>RSC Advances</i> , 2015, 5, 86631-86655.	1.7	101
68	Assessment of performance, emission and combustion characteristics of palm, jatropha and Calophyllum inophyllum biodiesel blends. <i>Fuel</i> , 2016, 181, 985-995.	3.4	101
69	Lubricity of bio-based lubricant derived from different chemically modified fatty acid methyl ester. <i>Tribology International</i> , 2016, 93, 555-562.	3.0	94
70	Ultrasound-assisted process optimization and tribological characteristics of biodiesel from palm-sesame oil via response surface methodology and extreme learning machine - Cuckoo search. <i>Renewable Energy</i> , 2020, 158, 202-214.	4.3	93
71	Optimization of performance, emission, friction and wear characteristics of palm and Calophyllum inophyllum biodiesel blends. <i>Energy Conversion and Management</i> , 2016, 118, 119-134.	4.4	90
72	Study on stability, fuel properties, engine combustion, performance and emission characteristics of biofuel emulsion. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1566-1579.	8.2	88

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73	Implementation of palm biodiesel based on economic aspects, performance, emission, and wear characteristics. <i>Energy Conversion and Management</i> , 2015, 105, 617-629.	4.4	88
74	A review on idling reduction strategies to improve fuel economy and reduce exhaust emissions of transport vehicles. <i>Energy Conversion and Management</i> , 2014, 88, 794-807.	4.4	87
75	Effect of antioxidant on the oxidation stability and combustion performance emission characteristics of a diesel engine fueled with diesel-biodiesel blend. <i>Energy Conversion and Management</i> , 2015, 106, 849-858.	4.4	86
76	Biodiesel production, characterization, diesel engine performance, and emission characteristics of methyl esters from <i>Aphanamixis polystachya</i> oil of Bangladesh. <i>Energy Conversion and Management</i> , 2015, 91, 149-157.	4.4	86
77	Influences of ignition improver additive on ternary (diesel-biodiesel-higher alcohol) blends thermal stability and diesel engine performance. <i>Energy Conversion and Management</i> , 2016, 123, 252-264.	4.4	86
78	An experimental investigation of biodiesel production, characterization, engine performance, emission and noise of <i>Brassica juncea</i> methyl ester and its blends. <i>Journal of Cleaner Production</i> , 2014, 79, 74-81.	4.6	83
79	Influence of biodiesel blending on physicochemical properties and importance of mathematical model for predicting the properties of biodiesel blend. <i>Energy Conversion and Management</i> , 2015, 94, 51-67.	4.4	83
80	Impact of palm biodiesel blend on injector deposit formation. <i>Applied Energy</i> , 2013, 111, 882-893.	5.1	82
81	Modeling Viscosity and Density of Ethanol-Diesel-Biodiesel Ternary Blends for Sustainable Environment. <i>Sustainability</i> , 2020, 12, 5186.	1.6	81
82	Combustion, performance, and emission characteristics of low heat rejection engine operating on various biodiesels and vegetable oils. <i>Energy Conversion and Management</i> , 2014, 85, 173-189.	4.4	79
83	Effects of texture diameter and depth on the tribological performance of DLC coating under lubricated sliding condition. <i>Applied Surface Science</i> , 2015, 356, 1135-1149.	3.1	79
84	Engine combustion, performance and emission characteristics of gas to liquid (GTL) fuels and its blends with diesel and bio-diesel. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 961-986.	8.2	78
85	Performance and emission characteristics of a CI engine fueled with <i>Cocos nucifera</i> and <i>Jatropha curcas</i> B20 blends accompanying antioxidants. <i>Industrial Crops and Products</i> , 2014, 57, 132-140.	2.5	76
86	Impact of biodiesel blend on injector deposit formation. <i>Energy</i> , 2014, 72, 813-823.	4.5	76
87	Critical review on sesame seed oil and its methyl ester on cold flow and oxidation stability. <i>Energy Reports</i> , 2020, 6, 40-54.	2.5	74
88	Energy scenario and biofuel policies and targets in ASEAN countries. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 46, 51-61.	8.2	73
89	Friction and wear characteristics of <i>Calophyllum inophyllum</i> biodiesel. <i>Industrial Crops and Products</i> , 2015, 76, 188-197.	2.5	71
90	Stability of biodiesel, its improvement and the effect of antioxidant treated blends on engine performance and emission. <i>RSC Advances</i> , 2015, 5, 36240-36261.	1.7	70

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91	A comparative study of C4 and C5 alcohol treated dieselâ€“biodiesel blends in terms of diesel engine performance and exhaust emission. <i>Fuel</i> , 2016, 179, 281-288.	3.4	68
92	An overview on comparative engine performance and emission characteristics of different techniques involved in diesel engine as dual-fuel engine operation. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 306-316.	8.2	68
93	Tribological characteristics comparison for oil palm fibre/epoxy and kenaf fibre/epoxy composites under dry sliding conditions. <i>Tribology International</i> , 2016, 101, 247-254.	3.0	67
94	Study of production optimization and effect of hydroxyl gas on a CI engine performance and emission fueled with biodiesel blends. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14519-14528.	3.8	66
95	An overview of geometrical parameters of surface texturing for piston/cylinder assembly and mechanical seals. <i>Meccanica</i> , 2016, 51, 9-23.	1.2	66
96	Effect of Additive on Performance of C.I. Engine Fuelled with Bio Diesel. <i>Energy Procedia</i> , 2012, 14, 1624-1629.	1.8	65
97	Application of blend fuels in a diesel engine. <i>Energy Procedia</i> , 2012, 14, 1124-1133.	1.8	64
98	Tribological characteristics of amorphous hydrogenated (a-C:H) and tetrahedral (ta-C) diamond-like carbon coating at different test temperatures in the presence of commercial lubricating oil. <i>Surface and Coatings Technology</i> , 2014, 245, 133-147.	2.2	64
99	Potential of biodiesel as a renewable energy source in Bangladesh. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 819-834.	8.2	64
100	Effect of Calophyllum Inophyllum biodiesel-diesel blends on combustion, performance, exhaust particulate matter and gaseous emissions in a multi-cylinder diesel engine. <i>Fuel</i> , 2018, 227, 154-164.	3.4	64
101	Effect of Additivized Biodiesel Blends on Diesel Engine Performance, Emission, Tribological Characteristics, and Lubricant Tribology. <i>Energies</i> , 2020, 13, 3375.	1.6	64
102	Tribological Properties and Lubricant Mechanism of Nanoparticle in Engine Oil. <i>Procedia Engineering</i> , 2013, 68, 320-325.	1.2	63
103	A comprehensive review on the assessment of fuel additive effects on combustion behavior in CI engine fuelled with diesel biodiesel blends. <i>RSC Advances</i> , 2015, 5, 67541-67567.	1.7	63
104	Performance and emission analysis of a multi cylinder gasoline engine operating at different alcoholâ€“gasoline blends. <i>RSC Advances</i> , 2014, 4, 27898-27904.	1.7	62
105	Double-diffusive natural convection in a triangular solar collector. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 264-269.	2.9	58
106	Experimental Investigation into Tribological Characteristics of Bio-Lubricant Formulated from Jatropa Oil. <i>Procedia Engineering</i> , 2013, 56, 597-606.	1.2	58
107	Influence of anti-corrosion additive on the performance, emission and engine component wear characteristics of an IDI diesel engine fueled with palm biodiesel. <i>Energy Conversion and Management</i> , 2014, 87, 48-57.	4.4	58
108	Performance and emission of multi-cylinder diesel engine using biodiesel blends obtained from mixed inedible feedstocks. <i>Journal of Cleaner Production</i> , 2016, 112, 4114-4122.	4.6	56

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109	Assessing idling effects on a compression ignition engine fueled with Jatropha and Palm biodiesel blends. <i>Renewable Energy</i> , 2014, 68, 644-650.	4.3	55
110	Synthetic phenolic antioxidants to biodiesel: path toward NO _x reduction of an unmodified indirect injection diesel engine. <i>Journal of Cleaner Production</i> , 2014, 79, 82-90.	4.6	55
111	Effect of Croton megalocarpus, Calophyllum inophyllum, Moringa oleifera, palm and coconut biodieselâ€™diesel blending on their physico-chemical properties. <i>Industrial Crops and Products</i> , 2014, 60, 130-137.	2.5	54
112	Improving oxidation stability and NO _x reduction of biodiesel blends using aromatic and synthetic antioxidant in a light duty diesel engine. <i>Industrial Crops and Products</i> , 2016, 89, 273-284.	2.5	54
113	Assessment of friction and wear characteristics of Calophyllum inophyllum and palm biodiesel. <i>Industrial Crops and Products</i> , 2016, 83, 470-483.	2.5	54
114	Effect of gasolineâ€™bioethanol blends on the properties and lubrication characteristics of commercial engine oil. <i>RSC Advances</i> , 2017, 7, 15005-15019.	1.7	53
115	Effect of idling on fuel consumption and emissions of a diesel engine fueled by Jatropha biodiesel blends. <i>Journal of Cleaner Production</i> , 2014, 69, 208-215.	4.6	52
116	Evaluation of combustion, performance, and emissions of optimum palmâ€™coconut blend in turbocharged and non-turbocharged conditions of a diesel engine. <i>Energy Conversion and Management</i> , 2015, 90, 111-120.	4.4	52
117	A review on air flow and coolant flow circuit in vehiclesâ€™ cooling system. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 6295-6306.	2.5	51
118	Performance, emissions and wear characteristics of an indirect injection diesel engine using coconut oil blended fuel. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2001, 215, 393-404.	1.1	50
119	Heat transfer enhancement and development of correlation for turbulent flow through a tube with triple helical tape inserts. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 94-101.	2.9	50
120	Assessment of emission and performance of compression ignition engine with varying injection timing. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 35, 221-230.	8.2	50
121	Tribological Characteristics of <i>Calophyllum inophyllum</i> -Based TMP (Trimethylolpropane) Ester as Energy-Saving and Biodegradable Lubricant. <i>Tribology Transactions</i> , 2015, 58, 1002-1011.	1.1	49
122	Evaluation of oxygenated n-butanol-biodiesel blends along with ethyl hexyl nitrate as cetane improver on diesel engine attributes. <i>Journal of Cleaner Production</i> , 2017, 141, 928-939.	4.6	49
123	Study of the oxidation stability and exhaust emission analysis of Moringa olifera biodiesel in a multi-cylinder diesel engine with aromatic amine antioxidants. <i>Renewable Energy</i> , 2016, 94, 294-303.	4.3	47
124	Impact of fatty acid composition and physicochemical properties of Jatropha and Alexandrian laurel biodiesel blends: An analysis of performance and emission characteristics. <i>Journal of Cleaner Production</i> , 2016, 133, 1181-1189.	4.6	47
125	Dispersion Stability and Tribological Characteristics of TiO ₂ /SiO ₂ Nanocomposite-Enriched Biobased Lubricant. <i>Tribology Transactions</i> , 2017, 60, 670-680.	1.1	47
126	Quality improvement of biodiesel blends using different promising fuel additives to reduce fuel consumption and NO emission from CI engine. <i>Energy Conversion and Management</i> , 2017, 138, 327-337.	4.4	47

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127	Experimental Investigation of Mustard Biodiesel Blend Properties, Performance, Exhaust Emission and Noise in an Unmodified Diesel Engine. APCBEE Procedia, 2014, 10, 149-153.	0.5	46
128	Influences of thermal stability, and lubrication performance of biodegradable oil as an engine oil for improving the efficiency of heavy duty diesel engine. Fuel, 2017, 196, 36-46.	3.4	46
129	Performance and emission characteristics of a spark ignition engine fuelled with butanol isomer-gasoline blends. Transportation Research, Part D: Transport and Environment, 2017, 57, 23-38.	3.2	46
130	Reduction of Fuel Consumption and Exhaust Pollutant Using Intelligent Transport Systems. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	45
131	Tailoring the key fuel properties using different alcohols (C ₂ – C ₆) and their evaluation in gasoline engine. Energy Conversion and Management, 2014, 88, 382-390.	4.4	45
132	Effect of alcoholic and nano-particles additives on tribological properties of diesel – palm – sesame – biodiesel blends. Energy Reports, 2021, 7, 1162-1171.	2.5	45
133	Impact of coconut oil blends on particulate-phase PAHs and regulated emissions from a light duty diesel engine. Energy, 2012, 48, 500-509.	4.5	44
134	Land availability of Jatropha production in Malaysia. Renewable and Sustainable Energy Reviews, 2012, 16, 3999-4007.	8.2	44
135	Tailoring key fuel properties of diesel – biodiesel – ethanol blends for diesel engine. Journal of Cleaner Production, 2013, 51, 118-125.	4.6	44
136	Effect of Biodiesel-diesel Blending on Physico-chemical Properties of Biodiesel Produced from Moringa Oleifera. Procedia Engineering, 2015, 105, 665-669.	1.2	44
137	Influence of poly(methyl acrylate) additive on cold flow properties of coconut biodiesel blends and exhaust gas emissions. Renewable Energy, 2017, 101, 702-712.	4.3	44
138	Palm Oil Methyl Ester and Its Emulsions Effect on Lubricant Performance and Engine Components Wear. Energy Procedia, 2012, 14, 1748-1753.	1.8	43
139	The Effect of Temperature on Tribological Properties of Chemically Modified Bio-Based Lubricant. Tribology Transactions, 2014, 57, 408-415.	1.1	43
140	Effect of Lubricant Formulations on the Tribological Performance of Self-Mated Doped DLC Contacts: a review. Tribology Letters, 2015, 58, 1.	1.2	43
141	Thermal analyses of minichannels and use of mathematical and numerical models. Numerical Heat Transfer; Part A: Applications, 2020, 77, 497-537.	1.2	43
142	Effects of biodiesel blends on lubricating oil degradation and piston assembly energy losses. Energy, 2016, 111, 713-721.	4.5	42
143	Effect of dynamic injection pressure on performance, emission and combustion characteristics of a compression ignition engine. Renewable and Sustainable Energy Reviews, 2015, 52, 1205-1211.	8.2	41
144	Investigation on particulate emissions and combustion characteristics of a common-rail diesel engine fueled with Moringa oleifera biodiesel-diesel blends. Renewable Energy, 2019, 136, 521-534.	4.3	41

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145	Effect of TMP-based-cottonseed oil-biolubricant blends on tribological behavior of cylinder liner-piston ring combinations. <i>Fuel</i> , 2020, 278, 118242.	3.4	41
146	Biofuel: Policy, Standardization and Recommendation for Sustainable Future Energy Supply. <i>Energy Procedia</i> , 2013, 42, 577-586.	1.8	40
147	Effect of primary and secondary alcohols as oxygenated additives on the performance and emission characteristics of diesel engine. <i>Energy Reports</i> , 2021, 7, 1116-1124.	2.5	40
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