Rizalman Mamat

List of Publications by Year
in descending order

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181 papers	11,999 citations	19657 61 h-index	32842 100 g-index
183 all docs	183 docs citations	183 times ranked	7970 citing authors

#	Article	IF	Citations
1	Production, characterization and performance of biodiesel as an alternative fuel in diesel engines â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 72, 497-509.	16.4	477
2	Recent progress on hybrid nanofluids in heat transfer applications: A comprehensive review. International Communications in Heat and Mass Transfer, 2016, 78, 68-79.	5.6	313
3	Effects of biodiesel from different feedstocks on engine performance and emissions: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 585-602.	16.4	299
4	Role of biofuel and their binary (dieselâ€“biodiesel) and ternary (ethanolâ€“biodieselâ€“diesel) blends on internal combustion engines emission reduction. Renewable and Sustainable Energy Reviews, 2016, 53, 265-278.	16.4	263
5	Biodiesel as alternative fuel for marine diesel engine applications: A review. Renewable and Sustainable Energy Reviews, 2018, 94, 127-142.	16.4	257
6	The enhancement of effective thermal conductivity and effective dynamic viscosity of nanofluids â€“ A review. Renewable and Sustainable Energy Reviews, 2016, 53, 1046-1058.	16.4	246
7	Experimental investigation of thermal conductivity and dynamic viscosity on nanoparticle mixture ratios of TiO2-SiO2 nanofluids. International Journal of Heat and Mass Transfer, 2018, 116, 1143-1152.	4.8	223
8	Alcohol and ether as alternative fuels in spark ignition engine: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 2586-2605.	16.4	215
9	An experimental study on the thermal conductivity and dynamic viscosity of TiO 2 -SiO 2 nanofluids in water: Ethylene glycol mixture. International Communications in Heat and Mass Transfer, 2017, 86, 181-189.	5.6	200
10	Analysis of blended fuel properties and engine performance with palm biodieselâ€“diesel blended fuel. Renewable Energy, 2016, 86, 59-67.	8.9	198
11	Experimental determination of turbulent forced convection heat transfer and friction factor with SiO2 nanofluid. Experimental Thermal and Fluid Science, 2013, 51, 103-111.	2.7	195
12	Alcohol based automotive fuels from first four alcohol family in compression and spark ignition engine: A review on engine performance and exhaust emissions. Renewable and Sustainable Energy Reviews, 2017, 77, 169-181.	16.4	187
13	Green fuel as alternative fuel for diesel engine: A review. Renewable and Sustainable Energy Reviews, 2017, 80, 694-709.	16.4	187
14	An overview of marine macroalgae as bioresource. Renewable and Sustainable Energy Reviews, 2018, 91, 165-179.	16.4	184
15	Solar energy in Iran: Current state and outlook. Renewable and Sustainable Energy Reviews, 2015, 49, 931-942.	16.4	170
16	Potential of nanorefrigerant and nanolubricant on energy saving in refrigeration system â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 69, 415-428.	16.4	159
17	Renewable energy in Southeast Asia: Policies and recommendations. Science of the Total Environment, 2019, 670, 1095-1102.	8.0	155
18	A review of thermophysical properties of water based composite nanofluids. Renewable and Sustainable Energy Reviews, 2016, 66, 654-678.	16.4	152

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19	An overview of Higher alcohol and biodiesel as alternative fuels in engines. Energy Reports, 2019, 5, 467-479.	5.1	149
20	Characterization of a diesel engine operating with a small proportion of methanol as a fuel additive in biodiesel blend. Applied Energy, 2014, 114, 865-873.	10.1	147
21	Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with Ailanthus altissima biodiesel. Renewable Energy, 2018, 125, 283-294.	8.9	146
22	A review on the application of nanofluids in vehicle engine cooling system. International Communications in Heat and Mass Transfer, 2015, 68, 85-90.	5.6	144
23	Experimental Investigation of Thermal Conductivity and Electrical Conductivity of Al2O3 Nanofluid in Water - Ethylene Glycol Mixture for Proton Exchange Membrane Fuel Cell Application. International Communications in Heat and Mass Transfer, 2015, 61, 61-68.	5.6	143
24	A review on the application of response surface method and artificial neural network in engine performance and exhaust emissions characteristics in alternative fuel. Renewable and Sustainable Energy Reviews, 2018, 90, 665-686.	16.4	143
25	Thermal conductivity and viscosity of Al 2 O 3 nanofluids for different based ratio of water and ethylene glycol mixture. Experimental Thermal and Fluid Science, 2017, 81, 420-429.	2.7	137
26	Factors affecting the performance of hybrid nanofluids: A comprehensive review. International Journal of Heat and Mass Transfer, 2017, 115, 630-646.	4.8	128
27	Heat transfer and friction factor of water based TiO2 and SiO2 nanofluids under turbulent flow in a tube. International Communications in Heat and Mass Transfer, 2014, 59, 30-38.	5.6	122
28	Thermo-physical properties of hybrid nanofluids and hybrid nanolubricants: A comprehensive review on performance. International Communications in Heat and Mass Transfer, 2017, 83, 30-39.	5.6	121
29	Solar PV and BIPV system: Barrier, challenges and policy recommendation in India. Renewable and Sustainable Energy Reviews, 2018, 82, 3314-3322.	16.4	111
30	Corrosion effect of phase change materials in solar thermal energy storage application. Renewable and Sustainable Energy Reviews, 2017, 76, 19-33.	16.4	107
31	Performance and emission characteristics of a CI engine using graphene oxide (GO) nano-particles additives in biodiesel-diesel blends. Renewable Energy, 2020, 145, 458-465.	8.9	107
32	An ultrasound-assisted system for the optimization of biodiesel production from chicken fat oil using a genetic algorithm and response surface methodology. Ultrasonics Sonochemistry, 2015, 26, 312-320.	8.2	104
33	A review on why researchers apply external magnetic field on nanofluids. International Communications in Heat and Mass Transfer, 2016, 78, 60-67.	5.6	103
34	Heat transfer performance of TiO2â€“SiO2 nanofluids in a tube with wire coil inserts. Applied Thermal Engineering, 2019, 152, 275-286.	6.0	103
35	Overview of the oxygenated fuels in spark ignition engine: Environmental and performance. Renewable and Sustainable Energy Reviews, 2018, 91, 394-408.	16.4	102
36	The effect of combustion management on diesel engine emissions fueled with biodiesel-diesel blends. Renewable and Sustainable Energy Reviews, 2017, 73, 307-331.	16.4	101

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37	Effects of working temperature on thermo-physical properties and forced convection heat transfer of TiO 2 nanofluids in water â€“ Ethylene glycol mixture. Applied Thermal Engineering, 2016, 106, 1190-1199.	6.0	97
38	Experimental investigation of thermal conductivity and electrical conductivity of BioGlycolâ€“water mixture based Al2O3 nanofluid. Applied Thermal Engineering, 2016, 102, 932-941.	6.0	97
39	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.	9.2	97
40	Investigation of thermal conductivity and viscosity of Al2O3/PAG nanolubricant for application in automotive air conditioning system. International Journal of Refrigeration, 2016, 70, 93-102.	3.4	95
41	Performance analysis of SiO 2 /PAG nanolubricant in automotive air conditioning system. International Journal of Refrigeration, 2017, 75, 204-216.	3.4	95
42	SVM and ANFIS for prediction of performance and exhaust emissions of a SI engine with gasolineâ€“ethanol blended fuels. Applied Thermal Engineering, 2016, 95, 186-203.	6.0	93
43	Optimization of performance and exhaust emission parameters of a SI (spark ignition) engine with gasolineâ€“ethanol blended fuels using response surface methodology. Energy, 2015, 90, 1815-1829.	8.8	91
44	A comprehensive review on the exergy analysis of combined cycle power plants. Renewable and Sustainable Energy Reviews, 2018, 90, 835-850.	16.4	91
45	Experimental investigation of nanoparticle mixture ratios on TiO2â€“SiO2 nanofluids heat transfer performance under turbulent flow. International Journal of Heat and Mass Transfer, 2018, 118, 617-627.	4.8	90
46	Evaluation of engine combustion and exhaust emissions characteristics using diesel/butanol blended fuel. Applied Thermal Engineering, 2019, 156, 209-219.	6.0	89
47	The optimum performance of the combined cycle power plant: A comprehensive review. Renewable and Sustainable Energy Reviews, 2017, 79, 459-474.	16.4	83
48	Thermal Conductivity Enhancement of Al2O3 Nanofluid in Ethylene Glycol and Water Mixture. Energy Procedia, 2015, 79, 397-402.	1.8	82
49	Thermal analysis of Al2O3â€“water ethylene glycol mixture nanofluid for single PEM fuel cell cooling plate: An experimental study. International Journal of Hydrogen Energy, 2016, 41, 5096-5112.	7.1	82
50	An experimental determination of thermal conductivity and electrical conductivity of bio glycol based Al 2 O 3 nanofluids and development of new correlation. International Communications in Heat and Mass Transfer, 2016, 73, 75-83.	5.6	79
51	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.	9.2	77
52	Bio-based liquid fuels as a source of renewable energy: A review. Renewable and Sustainable Energy Reviews, 2018, 88, 82-98.	16.4	76
53	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO2 nanofluids. International Communications in Heat and Mass Transfer, 2016, 77, 22-32.	5.6	74
54	Comparative study of thermo-physical properties of SiO 2 and Al 2 O 3 nanoparticles dispersed in PAG lubricant. Applied Thermal Engineering, 2017, 116, 823-832.	6.0	74

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55	Potentials of palm oil as new feedstock oil for a global alternative fuel: A review. Renewable and Sustainable Energy Reviews, 2017, 79, 1034-1049.	16.4	73
56	Fuel Physical Characteristics of Biodiesel Blend Fuels with Alcohol as Additives. Procedia Engineering, 2013, 53, 701-706.	1.2	72
57	Experimental investigation on heat transfer performance of TiO 2 nanofluids in waterâ€“ethylene glycol mixture. International Communications in Heat and Mass Transfer, 2016, 73, 16-24.	5.6	71
58	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.	9.2	70
59	Heat transfer augmentation of ethylene glycol: water nanofluids and applications â€" A review. International Communications in Heat and Mass Transfer, 2016, 75, 13-23.	5.6	68
60	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.	16.4	68
61	Recent advancement of nanofluids in engine cooling system. Renewable and Sustainable Energy Reviews, 2017, 75, 137-144.	16.4	68
62	Numerical validation of experimental heat transfer coefficient with SiO 2 nanofluid flowing in a tube with twisted tape inserts. Applied Thermal Engineering, 2014, 73, 296-306.	6.0	67
63	Solar PV tree design: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 1079-1096.	16.4	67
64	Target and demand for renewable energy across 10 ASEAN countries by 2040. Electricity Journal, 2019, 32, 106670.	2.5	66
65	Performance, combustion, and emission characteristics of a CI engine fueled with emulsified diesel-biodiesel blends at different water contents. Fuel, 2020, 267, 117265.	6.4	65
66	Optimization of Biodiesel-Diesel Blended Fuel Properties and Engine Performance with Ether Additive Using Statistical Analysis and Response Surface Methods. Energies, 2015, 8, 14136-14150.	3.1	64
67	A review of the impact of preparation on stability of carbon nanotube nanofluids. International Communications in Heat and Mass Transfer, 2016, 78, 253-263.	5.6	63
68	BIPV based sustainable building in South Asian countries. Solar Energy, 2018, 170, 1162-1170.	6.1	63
69	Biodiesels from three feedstock: The effect of graphene oxide (GO) nanoparticles diesel engine parameters fuelled with biodiesel. Renewable Energy, 2020, 145, 190-201.	8.9	62
70	Ailanthus altissima (tree of heaven) seed oil: Characterisation and optimisation of ultrasonication-assisted biodiesel production. Fuel, 2018, 220, 621-630.	6.4	61
71	Review of the effects of additives on biodiesel properties, performance, and emission features. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	60
72	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.	16.4	60

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73	Experimental investigation of turbulent heat transfer by counter and co-swirling flow in a flat tube fitted with twin twisted tapes. International Communications in Heat and Mass Transfer, 2016, 75, 295-302.	5.6	59
74	Thermo-electrical performance of PEM fuel cell using Al2O3 nanofluids. International Journal of Heat and Mass Transfer, 2018, 119, 460-471.	4.8	58
75	EFFECT OF TEMPERATURE ON HEAT TRANSFER COEFFICIENT OF TITANIUM DIOXIDE IN ETHYLENE GLYCOL-BASED NANOFLUID. Journal of Mechanical Engineering and Sciences, 2015, 8, 1367-1375.	0.6	58
76	Force convection heat transfer of Al 2 O 3 nanofluids for different based ratio of water: Ethylene glycol mixture. Applied Thermal Engineering, 2017, 112, 707-719.	6.0	57
77	Heat transfer and friction factor of water and ethylene glycol mixture based TiO 2 and Al 2 O 3 nanofluids under turbulent flow. International Communications in Heat and Mass Transfer, 2016, 76, 24-32.	5.6	56
78	Comparative Study on Biodiesel-methanol-diesel Low Proportion Blends Operating with a Diesel Engine. Energy Procedia, 2015, 75, 10-16.	1.8	55
79	Influence of Chemical Blends on Palm Oil Methyl Estersâ€™ Cold Flow Properties and Fuel Characteristics. Energies, 2014, 7, 4364-4380.	3.1	54
80	Experimental study on thermal performance of MWCNT nanocoolant in Perodua Kelisa 1000cc radiator system. International Communications in Heat and Mass Transfer, 2016, 76, 156-161.	5.6	54
81	Development of nanorefrigerants for various types of refrigerant based: A comprehensive review on performance. International Communications in Heat and Mass Transfer, 2016, 76, 285-293.	5.6	54
82	Study of a Diesel Engine Performance with Exhaust Gas Recirculation (EGR) System Fuelled with Palm Biodiesel. Energy Procedia, 2017, 110, 26-31.	1.8	54
83	Recent development on biodegradable nanolubricant: A review. International Communications in Heat and Mass Transfer, 2017, 86, 159-165.	5.6	54
84	BIPV in Southeast Asian countries â€“ opportunities and challenges. Renewable Energy Focus, 2017, 21, 25-32.	4.5	54
85	Mechanism for improvement in refrigeration system performance by using nanorefrigerants and nanolubricants â€“ A review. International Communications in Heat and Mass Transfer, 2018, 92, 56-63.	5.6	53
86	A comprehensive review of Uniform Solar Illumination at Low Concentration Photovoltaic (LCPV) Systems. Renewable and Sustainable Energy Reviews, 2016, 60, 1430-1441.	16.4	52
87	Investigation of the effects of iso-butanol additives on spark ignition engine fuelled with methanol-gasoline blends. Applied Thermal Engineering, 2017, 114, 593-600.	6.0	51
88	Micro Combined Heat and Power to provide heat and electrical power using biomass and Gamma-type Stirling engine. Applied Thermal Engineering, 2016, 103, 1460-1469.	6.0	50
89	Experimental investigation of combustion, emissions and thermal balance of secondary butyl alcohol-gasoline blends in a spark ignition engine. Energy Conversion and Management, 2016, 123, 1-14.	9.2	50
90	Experimental investigation of heat transfer and friction factor of TiO2-SiO2 nanofluids in water:ethylene glycol mixture. International Journal of Heat and Mass Transfer, 2018, 124, 1361-1369.	4.8	50

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91	Experimental investigation and development of new correlations for heat transfer enhancement and friction factor of BioGlycol/water based TiO2 nanofluids in flat tubes. International Journal of Heat and Mass Transfer, 2017, 108, 1026-1035.	4.8	48
92	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO2 nanofluids. International Communications in Heat and Mass Transfer, 2016, 77, 54-63.	5.6	47
93	Multi-objective NSGA-II optimization of a compression ignition engine parameters using biodiesel fuel and exhaust gas recirculation. Energy, 2019, 187, 115970.	8.8	44
94	Calorific value enhancement of fusel oil by moisture removal and its effect on the performance and combustion of a spark ignition engine. Energy Conversion and Management, 2017, 137, 86-96.	9.2	43
95	Effects of different water percentages in non-surfactant emulsion fuel on performance and exhaust emissions of a light-duty truck. Journal of Cleaner Production, 2018, 179, 559-566.	9.3	43
96	The effect of thermal cyclic variation on the thermophysical property degradation of paraffin as a phase changing energy storage material. Applied Thermal Engineering, 2019, 149, 22-33.	6.0	43
97	Characterization of biodiesel production (ultrasonic-assisted) from evening-primroses (Oenothera) Tj ETQq1 1 0.784314 rgBT /Overlo 50-60.	8.9	42
98	Influence of Fuel Temperature on a Diesel Engine Performance Operating with Biodiesel Blended. Journal of Mechanical Engineering and Sciences, 2012, 2, 226-236.	0.6	42
99	Soot Filtration Recent Simulation Analysis in Diesel Particulate Filter (DPF). Procedia Engineering, 2012, 41, 1750-1755.	1.2	41
100	Optimization and investigation the effects of using biodiesel-ethanol blends on the performance and emission characteristics of a diesel engine by genetic algorithm. Fuel, 2021, 289, 119753.	6.4	40
101	Spark plug fault recognition based on sensor fusion and classifier combination using Dempsterâ€“Shafer evidence theory. Applied Acoustics, 2015, 93, 120-129.	3.3	39
102	Latest development on computational approaches for nanofluid flow modeling: Navierâ€“Stokes based multiphase models. International Communications in Heat and Mass Transfer, 2016, 74, 114-124.	5.6	36
103	Comparison of the Effect of Different Alcohol Additives with Blended Fuel on Cyclic Variation in Diesel Engine. Energy Procedia, 2015, 75, 2357-2362.	1.8	34
104	Effects of Exhaust Gas Recirculation (EGR) on a Diesel Engine fuelled with Palm-biodiesel. Energy Procedia, 2015, 75, 30-36.	1.8	33
105	Performance and land footprint analysis of a solar photovoltaic tree. Journal of Cleaner Production, 2018, 187, 432-448.	9.3	33
106	A REVIEW OF NANOFLUID ADOPTION IN POLYMER ELECTROLYTE MEMBRANE (PEM) FUEL CELLS AS AN ALTERNATIVE COOLANT. Journal of Mechanical Engineering and Sciences, 2015, 8, 1351-1366.	0.6	33
107	Corrosion of copper alloys in KOH, NaOH, NaCl, and HCl electrolyte solutions and its impact to the mechanical properties. AEJ - Alexandria Engineering Journal, 2021, 60, 2235-2243.	6.4	32
108	Heat transfer augmentation in the straight channel by using nanofluids. Case Studies in Thermal Engineering, 2014, 3, 59-67.	5.7	31

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109	Engine speed and air-fuel ratio effect on the combustion of methane augmented hydrogen rich syngas in DI SI engine. International Journal of Hydrogen Energy, 2019, 44, 477-486.	7.1	31
110	Experimental and numerical study of heat transfer and friction factor of plain tube with hybrid nanofluids. Case Studies in Thermal Engineering, 2020, 22, 100782.	5.7	30
111	Recent progress on lattice Boltzmann simulation of nanofluids: A review. International Communications in Heat and Mass Transfer, 2015, 66, 11-22.	5.6	29
112	Analysis of Particulate Matter (PM) Emissions in Diesel Engines Using Palm Oil Biodiesel Blended with Diesel Fuel. Energies, 2018, 11, 1039.	3.1	29
113	Experimental Investigation of Al2O3 - Water Ethylene Glycol Mixture Nanofluid Thermal Behaviour in a Single Cooling Plate for PEM Fuel Cell Application. Energy Procedia, 2015, 79, 252-258.	1.8	28
114	Investigation of Al2O3 Nanofluid Viscosity for Different Water/EG Mixture Based. Energy Procedia, 2015, 79, 354-359.	1.8	28
115	Energy saving in automotive air conditioning system performance using SiO2/PAG nanolubricants. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1285-1297.	3.6	28
116	Prediction of marine diesel engine performance by using artificial neural network model. Journal of Mechanical Engineering and Sciences, 2016, 10, 1917-1930.	0.6	28
117	Nanofluid Properties for Forced Convection Heat Transfer: An Overview. Journal of Mechanical Engineering and Sciences, 2013, 4, 397-408.	0.6	28
118	Development of Micro-scale Biomass-fuelled CHP System Using Stirling Engine. Energy Procedia, 2015, 75, 1108-1113.	1.8	27
119	Effects of biodiesel fuel obtained from Salvia macrosiphon oil (ultrasonic-assisted) on performance and emissions of diesel engine. Energy, 2017, 131, 289-296.	8.8	27
120	NANOFLUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2294-2305.	0.9	26
121	Turbulent Forced Convection Heat Transfer of Nanofluids with Twisted Tape Insert in a Plain Tube. Energy Procedia, 2014, 52, 296-307.	1.8	25
122	Effect of Low Proportion Palm Biodiesel Blend on Performance, Combustion and Emission Characteristics of a Diesel Engine. Energy Procedia, 2015, 75, 92-98.	1.8	25
123	Effects of fusel oil water content reduction on fuel properties, performance and emissions of SI engine fueled with gasoline -fusel oil blends. Renewable Energy, 2018, 118, 858-869.	8.9	25
124	Effects of Air Intake Pressure on the Engine Performance, Fuel Economy and Exhaust Emissions of A Small Gasoline Engine. Journal of Mechanical Engineering and Sciences, 2014, 6, 949-958.	0.6	25
125	Performance and combustion characteristics of an SI engine fueled with fusel oil-gasoline at different water content. Applied Thermal Engineering, 2017, 123, 1374-1385.	6.0	24
126	Tri-fuel emulsion with secondary atomization attributes for greener diesel engine â€“ A critical review. Renewable and Sustainable Energy Reviews, 2019, 111, 490-506.	16.4	24

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127	A comprehensive study on the effect of pilot injection, EGR rate, IMEP and biodiesel characteristics on a CRDI diesel engine. Energy, 2020, 194, 116860.	8.8	24
128	Prediction of power generation and rotor angular speed of a small wind turbine equipped to a controllable duct using artificial neural network and multiple linear regression. Environmental Research, 2021, 196, 110434.	7.5	24
129	Heat absorption properties of CuO/TiO2/SiO2 trihybrid nanofluids and its potential future direction towards solar thermal applications. Arabian Journal of Chemistry, 2021, 14, 103059.	4.9	24
130	A review on thermo-physical properties and heat transfer applications of single and hybrid metal oxide nanofluids. Journal of Mechanical Engineering and Sciences, 2019, 13, 5182-5211.	0.6	24
131	Impact of fusel oil moisture reduction on the fuel properties and combustion characteristics of SI engine fueled with gasoline-fusel oil blends. Renewable Energy, 2018, 123, 79-91.	8.9	23
132	Effects of Air Intake Pressure to the Fuel Economy and Exhaust Emissions on a Small SI Engine. Procedia Engineering, 2013, 68, 278-284.	1.2	22
133	Thermal Analysis of Heat Transfer Enhancement and Fluid Flow for Low Concentration of Al2O3 Water - Ethylene Glycol Mixture Nanofluid in a Single PEMFC Cooling Plate. Energy Procedia, 2015, 79, 259-264.	1.8	22
134	FORCED CONVECTION HEAT TRANSFER USING WATER- ETHYLENE GLYCOL (60:40) BASED NANOFLUIDS IN AUTOMOTIVE COOLING SYSTEM. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2747-2755.	0.9	22
135	Effects of Particulate Matter Emissions of Diesel Engine using Dieselâ€“Methanol Blends. Journal of Mechanical Engineering and Sciences, 2014, 6, 959-967.	0.6	20
136	Effect of fuel injection timing of hydrogen rich syngas augmented with methane in direct-injection spark-ignition engine. International Journal of Hydrogen Energy, 2017, 42, 23846-23855.	7.1	20
137	Experimental and numerical study of thermo-hydraulic performance of circumferentially ribbed tube with Al2O3 nanofluid. International Communications in Heat and Mass Transfer, 2015, 69, 34-40.	5.6	19
138	Investigating the contribution of carbon nanotubes and diesel-biodiesel blends to emission and combustion characteristics of diesel engine. Fuel, 2021, 285, 119046.	6.4	19
139	Design, Fabrication and Evaluation of Gamma-Type Stirling Engine to Produce Electricity from Biomass for the Micro-CHP System. Energy Procedia, 2015, 75, 137-143.	1.8	16
140	The feasibility and optimization of biodiesel production from Celtis australis L. oil using chicken bone catalyst and ultrasonic waves. Biofuels, 2020, 11, 513-521.	2.4	16
141	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
142	The Influence of Formulation Ratio and Emulsifying Settings on Tri-Fuel (Dieselâ€“Ethanolâ€“Biodiesel) Emulsion Properties. Energies, 2019, 12, 1708.	3.1	15
143	The effect of fusel-biodiesel blends on the emissions and performance of a single cylinder diesel engine. Fuel, 2020, 279, 118438.	6.4	15
144	Investigation on combustion parameters of palm biodiesel operating with a diesel engine. Journal of Mechanical Engineering and Sciences, 2015, 9, 1714-1726.	0.6	15

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145	PM Emission of Diesel Engines using Ester-ethanol-diesel Blended Fuel. Procedia Engineering, 2013, 53, 530-535.	1.2	14
146	Heat Transfer Augmentation of Al2O3 Nanofluid in 60:40 Water to Ethylene Glycol Mixture. Energy Procedia, 2015, 79, 403-408.	1.8	14
147	Synthesis, characterisation and thermoâ€physical investigations on magnesia nanoparticles dispersed in ethylene glycolâ€“DI water (50:50). Micro and Nano Letters, 2018, 13, 335-340.	1.3	14
148	The performance of turbocharged diesel engine with injected calophyllum inophyllum methyl ester blends and inducted babul wood gaseous fuels. Fuel, 2019, 257, 116060.	6.4	14
149	Improving Engine Performance and Low Temperature Properties of Blended Palm Biodiesel Using Additives. A Review. Applied Mechanics and Materials, 0, 315, 68-72.	0.2	13
150	Cylinder Pressure Cyclic Variations in a Diesel Engine operating with Biodiesel-Alcohol Blends. Energy Procedia, 2017, 142, 303-308.	1.8	13
151	Effect of Exhaust Gas Recirculation System and Air Temperature on Exhaust Emission of a Diesel Engine Operating with Biodiesel. Journal of Biobased Materials and Bioenergy, 2013, 7, 461-463.	0.3	12
152	The significant effect of turbulence characteristics on heat transfer enhancement using nanofluids: A comprehensive review. International Communications in Heat and Mass Transfer, 2016, 72, 39-47.	5.6	12
153	Experimental and numerical analysis of flow and heat transfer characteristics of EGR cooler in diesel engine. Applied Thermal Engineering, 2018, 140, 745-758.	6.0	12
154	Performance and emissions of gasoline blended with fusel oil that a potential using as an octane enhancer. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 931-947.	2.3	12
155	Effects of Blending Ethanol with Palm Oil Methyl Esters on low Temperature Flow Properties and Fuel Characteristics. International Journal of Advanced Science and Technology, 2013, 59, 85-96.	0.3	12
156	Emissions of Transesterification Jatropha-palm Blended Biodiesel. Procedia Engineering, 2013, 68, 265-270.	1.2	11
157	Thermal Conductivity Enhancement of Aluminium Oxide Nanofluid in Ethylene Glycol. Applied Mechanics and Materials, 0, 660, 730-734.	0.2	11
158	Analysis of Blended Fuel Properties and Engine Cyclic Variations with Ethanol Additive. Journal of Biobased Materials and Bioenergy, 2015, 9, 108-114.	0.3	11
159	A review of fuel additives' effects and predictions on internal combustion engine performance and emissions. AIMS Energy, 2022, 10, 1-22.	1.9	11
160	Viscosity of Aluminium Oxide (Al₂O₃) Nanoparticle Dispersed in Ethylene Glycol. Applied Mechanics and Materials, 0, 660, 735-739.	0.2	9
161	Stability and Thermal Conductivity of Tri-hybrid Nanofluids for High Concentration in Water-ethylene Glycol (60:40). Nanoscience and Nanotechnology - Asia, 2021, 11, .	0.7	9
162	Experimental Investigation of Cooling Performance in Automotive Radiator using Al2O3-TiO2-SiO2 Nanofluids. Automotive Experiences, 2021, 5, 28-39.	0.9	9

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163	Heat Transfer Performance of Titanium Oxide in Ethylene Glycol Based Nanofluids under Transition Flow. Applied Mechanics and Materials, 0, 660, 684-688.	0.2	8
164	MULTI-BAND ANTENNA ARRAY BASED ON DOUBLE NEGATIVE METAMATERIAL FOR MULTI AUTOMOTIVE APPLICATIONS. Progress in Electromagnetics Research, 2017, 159, 27-37.	4.4	8
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