

# 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	A review of fuel additives' effects and predictions on internal combustion engine performance and emissions. AIMS Energy, 2022, 10, 1-22.	1.9	11
2	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
3	Experimental investigation on controlled cooling by coupling of thermoelectric and an air impinging jet for CPU. Heat Transfer, 2021, 50, 2242-2258.	3.0	7
4	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
5	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
6	Heat absorption properties of CuO/TiO <sub>2</sub> /SiO <sub>2</sub> trihybrid nanofluids and its potential future direction towards solar thermal applications. Arabian Journal of Chemistry, 2021, 14, 103059.	4.9	24
7	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
8	Combustion Efficiency in a Fluidized-Bed Combustor with a Modified Perforated Plate for Air Distribution. Processes, 2021, 9, 1489.	2.8	8
9	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
10	Thermal efficiency analysis of a nanofluid-based micro combined heat and power system using CNG and biogas. Energy, 2021, 231, 120870.	8.8	7
11	The Modification of the Perforated Plate in the Fluidized-Bed Combustor to Analyze Heat Convection Rate and Temperature. Journal of Combustion, 2021, 2021, 1-8.	1.0	4
12	The Effect of Oxygenated Turpentine Oil Additive in Diesel Fuel on the Performance and Emission Characteristics in One-Cylinder DI Engines. Designs, 2021, 5, 73.	2.4	2
13	Experimental Investigation of Cooling Performance in Automotive Radiator using Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -SiO <sub>2</sub> Nanofluids. Automotive Experiences, 2021, 5, 28-39.	0.9	9
14	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
15	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
16	The feasibility and optimization of biodiesel production from <i>Celtis australis</i> L. oil using chicken bone catalyst and ultrasonic waves. Biofuels, 2020, 11, 513-521.	2.4	16
17	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
18	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

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19	The effect of fusel-biodiesel blends on the emissions and performance of a single cylinder diesel engine. Fuel, 2020, 279, 118438.	6.4	15
20	Enhanced Sensitivity of Microring Resonator-Based Sensors Using the Finite Difference Time Domain Method to Detect Glucose Levels for Diabetes Monitoring. Applied Sciences (Switzerland), 2020, 10, 4191.	2.5	5
21	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
22	Characterization of biodiesel production (ultrasonic-assisted) from evening-primroses (Oenothera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50-60.	8.9	42
23	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
24	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
25	Target and demand for renewable energy across 10 ASEAN countries by 2040. Electricity Journal, 2019, 32, 106670.	2.5	66
26	Tri-fuel emulsion with secondary atomization attributes for greener diesel engine – A critical review. Renewable and Sustainable Energy Reviews, 2019, 111, 490-506.	16.4	24
27	An overview of Higher alcohol and biodiesel as alternative fuels in engines. Energy Reports, 2019, 5, 467-479.	5.1	149
28	The Influence of Formulation Ratio and Emulsifying Settings on Tri-Fuel (Diesel–Ethanol–Biodiesel) Emulsion Properties. Energies, 2019, 12, 1708.	3.1	15
29	Numerical investigation for turbulent heat transfer of $\text{TiO}_2$ – $\text{SiO}_2$ nanofluids with wire coil inserts. Numerical Heat Transfer; Part A: Applications, 2019, 75, 271-289.	2.1	7
30	Renewable energy in Southeast Asia: Policies and recommendations. Science of the Total Environment, 2019, 670, 1095-1102.	8.0	155
31	Heat transfer performance of $\text{TiO}_2$ – $\text{SiO}_2$ nanofluids in a tube with wire coil inserts. Applied Thermal Engineering, 2019, 152, 275-286.	6.0	103
32	Evaluation of engine combustion and exhaust emissions characteristics using diesel/butanol blended fuel. Applied Thermal Engineering, 2019, 156, 209-219.	6.0	89
33	Energy saving in automotive air conditioning system performance using $\text{SiO}_2$ /PAG nanolubricants. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1285-1297.	3.6	28
34	Combustion, performances, and emissions characteristics of Hermetia illucens larvae oil in a direct injection compression ignition engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1483-1496.	2.3	8
35	Comparison between tri-fuel (diesel-ethanol-biodiesel) emulsion with and without surfactant. AIP Conference Proceedings, 2019, , .	0.4	2
36	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

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37	Performance and emissions of gasoline blended with fusel oil that a potential using as an octane enhancer. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 931-947.	2.3	12
38	Engine speed and air-fuel ratio effect on the combustion of methane augmented hydrogen rich syngas in DI SI engine. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 477-486.	7.1	31
39	A review on thermo-physical properties and heat transfer applications of single and hybrid metal oxide nanofluids. <i>Journal of Mechanical Engineering and Sciences</i> , 2019, 13, 5182-5211.	0.6	24
40	Ailanthus altissima (tree of heaven) seed oil: Characterisation and optimisation of ultrasonication-assisted biodiesel production. <i>Fuel</i> , 2018, 220, 621-630.	6.4	61
41	Mechanism for improvement in refrigeration system performance by using nanorefrigerants and nanolubricants – A review. <i>International Communications in Heat and Mass Transfer</i> , 2018, 92, 56-63.	5.6	53
42	Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with Ailanthus altissima biodiesel. <i>Renewable Energy</i> , 2018, 125, 283-294.	8.9	146
43	An overview of marine macroalgae as bioresource. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 165-179.	16.4	184
44	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.	8.9	23
45	Effects of different water percentages in non-surfactant emulsion fuel on performance and exhaust emissions of a light-duty truck. <i>Journal of Cleaner Production</i> , 2018, 179, 559-566.	9.3	43
46	Thermo-electrical performance of PEM fuel cell using Al <sub>2</sub> O <sub>3</sub> nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 460-471.	4.8	58
47	A comprehensive review on the exergy analysis of combined cycle power plants. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 835-850.	16.4	91
48	A review on the application of response surface method and artificial neural network in engine performance and exhaust emissions characteristics in alternative fuel. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 665-686.	16.4	143
49	Bio-based liquid fuels as a source of renewable energy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 88, 82-98.	16.4	76
50	Performance and land footprint analysis of a solar photovoltaic tree. <i>Journal of Cleaner Production</i> , 2018, 187, 432-448.	9.3	33
51	Synthesis, characterisation and thermo-physical investigations on magnesia nanoparticles dispersed in ethylene glycol–DI water (50:50). <i>Micro and Nano Letters</i> , 2018, 13, 335-340.	1.3	14
52	Alcohol and ether as alternative fuels in spark ignition engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2586-2605.	16.4	215
53	Solar PV and BIPV system: Barrier, challenges and policy recommendation in India. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3314-3322.	16.4	111
54	Experimental investigation of thermal conductivity and dynamic viscosity on nanoparticle mixture ratios of TiO <sub>2</sub> -SiO <sub>2</sub> nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 1143-1152.	4.8	223

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55	Solar PV tree design: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 1079-1096.	16.4	67
56	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
57	Experimental investigation of nanoparticle mixture ratios on TiO <sub>2</sub> -SiO <sub>2</sub> nanofluids heat transfer performance under turbulent flow. International Journal of Heat and Mass Transfer, 2018, 118, 617-627.	4.8	90
58	Experimental investigation of heat transfer and friction factor of TiO <sub>2</sub> -SiO <sub>2</sub> nanofluids in water:ethylene glycol mixture. International Journal of Heat and Mass Transfer, 2018, 124, 1361-1369.	4.8	50
59	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
60	BIPV based sustainable building in South Asian countries. Solar Energy, 2018, 170, 1162-1170.	6.1	63
61	Analysis of Particulate Matter (PM) Emissions in Diesel Engines Using Palm Oil Biodiesel Blended with Diesel Fuel. Energies, 2018, 11, 1039.	3.1	29
62	Overview of the oxygenated fuels in spark ignition engine: Environmental and performance. Renewable and Sustainable Energy Reviews, 2018, 91, 394-408.	16.4	102
63	Biodiesel as alternative fuel for marine diesel engine applications: A review. Renewable and Sustainable Energy Reviews, 2018, 94, 127-142.	16.4	257
64	Production, characterization and performance of biodiesel as an alternative fuel in diesel engines – A review. Renewable and Sustainable Energy Reviews, 2017, 72, 497-509.	16.4	477
65	Experimental investigation and development of new correlations for heat transfer enhancement and friction factor of BioGlycol/water based TiO <sub>2</sub> nanofluids in flat tubes. International Journal of Heat and Mass Transfer, 2017, 108, 1026-1035.	4.8	48
66	Performance analysis of SiO <sub>2</sub> /PAG nanolubricant in automotive air conditioning system. International Journal of Refrigeration, 2017, 75, 204-216.	3.4	95
67	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
68	Comparative study of thermo-physical properties of SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> nanoparticles dispersed in PAG lubricant. Applied Thermal Engineering, 2017, 116, 823-832.	6.0	74
69	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
70	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
71	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
72	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

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73	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
74	Recent development on biodegradable nanolubricant: A review. International Communications in Heat and Mass Transfer, 2017, 86, 159-165.	5.6	54
75	An experimental study on the thermal conductivity and dynamic viscosity of TiO <sub>2</sub> -SiO <sub>2</sub> nanofluids in water: Ethylene glycol mixture. International Communications in Heat and Mass Transfer, 2017, 86, 181-189.	5.6	200
76	The optimum performance of the combined cycle power plant: A comprehensive review. Renewable and Sustainable Energy Reviews, 2017, 79, 459-474.	16.4	83
77	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
78	Green fuel as alternative fuel for diesel engine: A review. Renewable and Sustainable Energy Reviews, 2017, 80, 694-709.	16.4	187
79	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
80	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
81	Corrosion effect of phase change materials in solar thermal energy storage application. Renewable and Sustainable Energy Reviews, 2017, 76, 19-33.	16.4	107
82	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
83	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
84	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
85	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
86	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
87	BIPV in Southeast Asian countries – opportunities and challenges. Renewable Energy Focus, 2017, 21, 25-32.	4.5	54
88	Factors affecting the performance of hybrid nanofluids: A comprehensive review. International Journal of Heat and Mass Transfer, 2017, 115, 630-646.	4.8	128
89	Force convection heat transfer of Al <sub>2</sub> O <sub>3</sub> nanofluids for different based ratio of water: Ethylene glycol mixture. Applied Thermal Engineering, 2017, 112, 707-719.	6.0	57
90	Recent advancement of nanofluids in engine cooling system. Renewable and Sustainable Energy Reviews, 2017, 75, 137-144.	16.4	68

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91	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
92	Potential of nanorefrigerant and nanolubricant on energy saving in refrigeration system – A review. Renewable and Sustainable Energy Reviews, 2017, 69, 415-428.	16.4	159
93	Thermal conductivity and viscosity of Al <sub>2</sub> O <sub>3</sub> nanofluids for different based ratio of water and ethylene glycol mixture. Experimental Thermal and Fluid Science, 2017, 81, 420-429.	2.7	137
94	Cylinder Pressure Cyclic Variations in a Diesel Engine operating with Biodiesel-Alcohol Blends. Energy Procedia, 2017, 142, 303-308.	1.8	13
95	MULTI-BAND ANTENNA ARRAY BASED ON DOUBLE NEGATIVE METAMATERIAL FOR MULTI AUTOMOTIVE APPLICATIONS. Progress in Electromagnetics Research, 2017, 159, 27-37.	4.4	8
96	Experimental exergy analysis of water-cooled PV module. International Journal of Exergy, 2017, 23, 197.	0.4	0
97	A Comparison of Muscular Activity Among European, Korea and Malaysian During Seating Using Musculoskeletal Computational Analysis Method. Advanced Science Letters, 2017, 23, 11471-11474.	0.2	0
98	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
99	Heat transfer augmentation of ethylene glycol: water nanofluids and applications – A review. International Communications in Heat and Mass Transfer, 2016, 75, 13-23.	5.6	68
100	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
101	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
102	Heat transfer and friction factor of water and ethylene glycol mixture based TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> nanofluids under turbulent flow. International Communications in Heat and Mass Transfer, 2016, 76, 24-32.	5.6	56
103	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
104	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
105	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
106	A review of thermophysical properties of water based composite nanofluids. Renewable and Sustainable Energy Reviews, 2016, 66, 654-678.	16.4	152
107	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO <sub>2</sub> nanofluids. International Communications in Heat and Mass Transfer, 2016, 77, 22-32.	5.6	74
108	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO <sub>2</sub> nanofluids. International Communications in Heat and Mass Transfer, 2016, 77, 54-63.	5.6	47



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109	Experimental investigation of combustion, emissions and thermal balance of secondary butyl alcohol-gasoline blends in a spark ignition engine. <i>Energy Conversion and Management</i> , 2016, 123, 1-14.	9.2	50
110	Development of nanorefrigerants for various types of refrigerant based: A comprehensive review on performance. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 285-293.	5.6	54
111	Investigation of thermal conductivity and viscosity of Al <sub>2</sub> O <sub>3</sub> /PAG nanolubricant for application in automotive air conditioning system. <i>International Journal of Refrigeration</i> , 2016, 70, 93-102.	3.4	95
112	Effects of working temperature on thermo-physical properties and forced convection heat transfer of TiO <sub>2</sub> nanofluids in water – Ethylene glycol mixture. <i>Applied Thermal Engineering</i> , 2016, 106, 1190-1199.	6.0	97
113	The enhancement of effective thermal conductivity and effective dynamic viscosity of nanofluids – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1046-1058.	16.4	246
114	SVM and ANFIS for prediction of performance and exhaust emissions of a SI engine with gasoline–ethanol blended fuels. <i>Applied Thermal Engineering</i> , 2016, 95, 186-203.	6.0	93
115	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.	9.2	70
116	Latest development on computational approaches for nanofluid flow modeling: Navier–Stokes based multiphase models. <i>International Communications in Heat and Mass Transfer</i> , 2016, 74, 114-124.	5.6	36
117	Experimental investigation of thermal conductivity and electrical conductivity of BioGlycol–water mixture based Al <sub>2</sub> O <sub>3</sub> nanofluid. <i>Applied Thermal Engineering</i> , 2016, 102, 932-941.	6.0	97
118	A comprehensive review of Uniform Solar Illumination at Low Concentration Photovoltaic (LCPV) Systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1430-1441.	16.4	52
119	Thermal analysis of Al <sub>2</sub> O <sub>3</sub> –water ethylene glycol mixture nanofluid for single PEM fuel cell cooling plate: An experimental study. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5096-5112.	7.1	82
120	The significant effect of turbulence characteristics on heat transfer enhancement using nanofluids: A comprehensive review. <i>International Communications in Heat and Mass Transfer</i> , 2016, 72, 39-47.	5.6	12
121	Experimental investigation on heat transfer performance of TiO <sub>2</sub> nanofluids in water–ethylene glycol mixture. <i>International Communications in Heat and Mass Transfer</i> , 2016, 73, 16-24.	5.6	71
122	An experimental determination of thermal conductivity and electrical conductivity of bio glycol based Al <sub>2</sub> O <sub>3</sub> nanofluids and development of new correlation. <i>International Communications in Heat and Mass Transfer</i> , 2016, 73, 75-83.	5.6	79
123	Analysis of blended fuel properties and engine performance with palm biodiesel–diesel blended fuel. <i>Renewable Energy</i> , 2016, 86, 59-67.	8.9	198
124	Role of biofuel and their binary (diesel–biodiesel) and ternary (ethanol–biodiesel–diesel) blends on internal combustion engines emission reduction. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 265-278.	16.4	263
125	Prediction of marine diesel engine performance by using artificial neural network model. <i>Journal of Mechanical Engineering and Sciences</i> , 2016, 10, 1917-1930.	0.6	28
126	Experimental Investigation of Al <sub>2</sub> O <sub>3</sub> - Water Ethylene Glycol Mixture Nanofluid Thermal Behaviour in a Single Cooling Plate for PEM Fuel Cell Application. <i>Energy Procedia</i> , 2015, 79, 252-258.	1.8	28



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127	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.	3.1	64
128	Solar energy in Iran: Current state and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 931-942.	16.4	170
129	Recent progress on lattice Boltzmann simulation of nanofluids: A review. <i>International Communications in Heat and Mass Transfer</i> , 2015, 66, 11-22.	5.6	29
130	Investigation of Al <sub>2</sub> O <sub>3</sub> Nanofluid Viscosity for Different Water/EG Mixture Based. <i>Energy Procedia</i> , 2015, 79, 354-359.	1.8	28
131	Heat Transfer Augmentation of Al <sub>2</sub> O <sub>3</sub> Nanofluid in 60:40 Water to Ethylene Glycol Mixture. <i>Energy Procedia</i> , 2015, 79, 403-408.	1.8	14
132	Thermal Conductivity Enhancement of Al <sub>2</sub> O <sub>3</sub> Nanofluid in Ethylene Glycol and Water Mixture. <i>Energy Procedia</i> , 2015, 79, 397-402.	1.8	82
133	Thermal Analysis of Heat Transfer Enhancement and Fluid Flow for Low Concentration of Al <sub>2</sub> O <sub>3</sub> Water - Ethylene Glycol Mixture Nanofluid in a Single PEMFC Cooling Plate. <i>Energy Procedia</i> , 2015, 79, 259-264.	1.8	22
134	Spark plug fault recognition based on sensor fusion and classifier combination using Dempster-Shafer evidence theory. <i>Applied Acoustics</i> , 2015, 93, 120-129.	3.3	39
135	Optimization of performance and exhaust emission parameters of a SI (spark ignition) engine with gasoline-ethanol blended fuels using response surface methodology. <i>Energy</i> , 2015, 90, 1815-1829.	8.8	91
136	Effects of biodiesel from different feedstocks on engine performance and emissions: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 585-602.	16.4	299
137	An ultrasound-assisted system for the optimization of biodiesel production from chicken fat oil using a genetic algorithm and response surface methodology. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 312-320.	8.2	104
138	Experimental and numerical study of thermo-hydraulic performance of circumferentially ribbed tube with Al <sub>2</sub> O <sub>3</sub> nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015, 69, 34-40.	5.6	19
139	Comparative Study on Biodiesel-methanol-diesel Low Proportion Blends Operating with a Diesel Engine. <i>Energy Procedia</i> , 2015, 75, 10-16.	1.8	55
140	Effects of Exhaust Gas Recirculation (EGR) on a Diesel Engine fuelled with Palm-biodiesel. <i>Energy Procedia</i> , 2015, 75, 30-36.	1.8	33
141	Effect of Low Proportion Palm Biodiesel Blend on Performance, Combustion and Emission Characteristics of a Diesel Engine. <i>Energy Procedia</i> , 2015, 75, 92-98.	1.8	25
142	Design, Fabrication and Evaluation of Gamma-Type Stirling Engine to Produce Electricity from Biomass for the Micro-CHP System. <i>Energy Procedia</i> , 2015, 75, 137-143.	1.8	16
143	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
144	Development of Micro-scale Biomass-fuelled CHP System Using Stirling Engine. <i>Energy Procedia</i> , 2015, 75, 1108-1113.	1.8	27

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145	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
146	Experimental Investigation of Thermal Conductivity and Electrical Conductivity of Al <sub>2</sub> O <sub>3</sub> 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
147	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
148	NANOFLUIDS HEAT TRANSFER ENHANCEMENT THROUGH STRAIGHT CHANNEL UNDER TURBULENT FLOW. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2294-2305.	0.9	26
149	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
150	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
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