

# Rizalman Mamat

## List of Publications by Year in descending order

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181  
papers

11,999  
citations

22548

61  
h-index

37326

100  
g-index

183  
all docs

183  
docs citations

183  
times ranked

8941  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of fuel additives' effects and predictions on internal combustion engine performance and emissions. <i>AIMS Energy</i> , 2022, 10, 1-22.	1.1	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. <i>Environmental Research</i> , 2021, 196, 110434.	3.7	24
3	Experimental investigation on controlled cooling by coupling of thermoelectric and an air impinging jet for CPU. <i>Heat Transfer</i> , 2021, 50, 2242-2258.	1.7	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. <i>Fuel</i> , 2021, 289, 119753.	3.4	40
5	Investigating the contribution of carbon nanotubes and diesel-biodiesel blends to emission and combustion characteristics of diesel engine. <i>Fuel</i> , 2021, 285, 119046.	3.4	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. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103059.	2.3	24
7	Corrosion of copper alloys in KOH, NaOH, NaCl, and HCl electrolyte solutions and its impact to the mechanical properties. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2235-2243.	3.4	32
8	Combustion Efficiency in a Fluidized-Bed Combustor with a Modified Perforated Plate for Air Distribution. <i>Processes</i> , 2021, 9, 1489.	1.3	8
9	Stability and Thermal Conductivity of Tri-hybrid Nanofluids for High Concentration in Water-ethylene Glycol (60:40). <i>Nanoscience and Nanotechnology - Asia</i> , 2021, 11, .	0.3	9
10	Thermal efficiency analysis of a nanofluid-based micro combined heat and power system using CNG and biogas. <i>Energy</i> , 2021, 231, 120870.	4.5	7
11	The Modification of the Perforated Plate in the Fluidized-Bed Combustor to Analyze Heat Convection Rate and Temperature. <i>Journal of Combustion</i> , 2021, 2021, 1-8.	0.5	4
12	The Effect of Oxygenated Turpentine Oil Additive in Diesel Fuel on the Performance and Emission Characteristics in One-Cylinder DI Engines. <i>Designs</i> , 2021, 5, 73.	1.3	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. <i>Automotive Experiences</i> , 2021, 5, 28-39.	0.5	9
14	Performance and emission characteristics of a CI engine using graphene oxide (GO) nano-particles additives in biodiesel-diesel blends. <i>Renewable Energy</i> , 2020, 145, 458-465.	4.3	107
15	Biodiesels from three feedstock: The effect of graphene oxide (GO) nanoparticles diesel engine parameters fuelled with biodiesel. <i>Renewable Energy</i> , 2020, 145, 190-201.	4.3	62
16	The feasibility and optimization of biodiesel production from <i>Celtis australis</i> L. oil using chicken bone catalyst and ultrasonic waves. <i>Biofuels</i> , 2020, 11, 513-521.	1.4	16
17	A comprehensive study on the effect of pilot injection, EGR rate, IMEP and biodiesel characteristics on a CRDI diesel engine. <i>Energy</i> , 2020, 194, 116860.	4.5	24
18	Experimental and numerical study of heat transfer and friction factor of plain tube with hybrid nanofluids. <i>Case Studies in Thermal Engineering</i> , 2020, 22, 100782.	2.8	30

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19	The effect of fusel-biodiesel blends on the emissions and performance of a single cylinder diesel engine. <i>Fuel</i> , 2020, 279, 118438.	3.4	15
20	Enhanced Sensitivity of Microring Resonator-Based Sensors Using the Finite Difference Time Domain Method to Detect Glucose Levels for Diabetes Monitoring. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4191.	1.3	5
21	Performance, combustion, and emission characteristics of a CI engine fueled with emulsified diesel-biodiesel blends at different water contents. <i>Fuel</i> , 2020, 267, 117265.	3.4	65
22	Characterization of biodiesel production (ultrasonic-assisted) from evening-primroses ( <i>Oenothera</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50-60.	4.3	42
23	Multi-objective NSGA-II optimization of a compression ignition engine parameters using biodiesel fuel and exhaust gas recirculation. <i>Energy</i> , 2019, 187, 115970.	4.5	44
24	The performance of turbocharged diesel engine with injected calophyllum inophyllum methyl ester blends and inducted babul wood gaseous fuels. <i>Fuel</i> , 2019, 257, 116060.	3.4	14
25	Target and demand for renewable energy across 10 ASEAN countries by 2040. <i>Electricity Journal</i> , 2019, 32, 106670.	1.3	66
26	Tri-fuel emulsion with secondary atomization attributes for greener diesel engine â€“ A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 490-506.	8.2	24
27	An overview of Higher alcohol and biodiesel as alternative fuels in engines. <i>Energy Reports</i> , 2019, 5, 467-479.	2.5	149
28	The Influence of Formulation Ratio and Emulsifying Settings on Tri-Fuel (Dieselâ€“Ethanolâ€“Biodiesel) Emulsion Properties. <i>Energies</i> , 2019, 12, 1708.	1.6	15
29	Numerical investigation for turbulent heat transfer of $TiO_2$ â€“ $SiO_2$ nanofluids with wire coil inserts. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019, 75, 271-289.	1.2	7
30	Renewable energy in Southeast Asia: Policies and recommendations. <i>Science of the Total Environment</i> , 2019, 670, 1095-1102.	3.9	155
31	Heat transfer performance of $TiO_2$ â€“ $SiO_2$ nanofluids in a tube with wire coil inserts. <i>Applied Thermal Engineering</i> , 2019, 152, 275-286.	3.0	103
32	Evaluation of engine combustion and exhaust emissions characteristics using diesel/butanol blended fuel. <i>Applied Thermal Engineering</i> , 2019, 156, 209-219.	3.0	89
33	Energy saving in automotive air conditioning system performance using $SiO_2$ /PAG nanolubricants. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1285-1297.	2.0	28
34	Combustion, performances, and emissions characteristics of <i>Hermetia illucens</i> larvae oil in a direct injection compression ignition engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 1483-1496.	1.2	8
35	Comparison between tri-fuel (diesel-ethanol-biodiesel) emulsion with and without surfactant. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
36	The effect of thermal cyclic variation on the thermophysical property degradation of paraffin as a phase changing energy storage material. <i>Applied Thermal Engineering</i> , 2019, 149, 22-33.	3.0	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.	1.2	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.	3.8	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.	0.3	24
40	<i>Ailanthus altissima</i> (tree of heaven) seed oil: Characterisation and optimisation of ultrasonication-assisted biodiesel production. <i>Fuel</i> , 2018, 220, 621-630.	3.4	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.	2.9	53
42	Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with <i>Ailanthus altissima</i> biodiesel. <i>Renewable Energy</i> , 2018, 125, 283-294.	4.3	146
43	An overview of marine macroalgae as bioresource. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 165-179.	8.2	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.	4.3	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.	4.6	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.	2.5	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.	8.2	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.	8.2	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.	8.2	76
50	Performance and land footprint analysis of a solar photovoltaic tree. <i>Journal of Cleaner Production</i> , 2018, 187, 432-448.	4.6	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.	0.6	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.	8.2	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.	8.2	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.	2.5	223

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55	Solar PV tree design: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 1079-1096.	8.2	67
56	Effects of fusel oil water content reduction on fuel properties, performance and emissions of SI engine fueled with gasoline -fusel oil blends. <i>Renewable Energy</i> , 2018, 118, 858-869.	4.3	25
57	Experimental investigation of nanoparticle mixture ratios on TiO <sub>2</sub> -SiO <sub>2</sub> nanofluids heat transfer performance under turbulent flow. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 617-627.	2.5	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. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 1361-1369.	2.5	50
59	Experimental and numerical analysis of flow and heat transfer characteristics of EGR cooler in diesel engine. <i>Applied Thermal Engineering</i> , 2018, 140, 745-758.	3.0	12
60	BIPV based sustainable building in South Asian countries. <i>Solar Energy</i> , 2018, 170, 1162-1170.	2.9	63
61	Analysis of Particulate Matter (PM) Emissions in Diesel Engines Using Palm Oil Biodiesel Blended with Diesel Fuel. <i>Energies</i> , 2018, 11, 1039.	1.6	29
62	Overview of the oxygenated fuels in spark ignition engine: Environmental and performance. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 394-408.	8.2	102
63	Biodiesel as alternative fuel for marine diesel engine applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 127-142.	8.2	257
64	Production, characterization and performance of biodiesel as an alternative fuel in diesel engines – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 497-509.	8.2	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. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1026-1035.	2.5	48
66	Performance analysis of SiO <sub>2</sub> /PAG nanolubricant in automotive air conditioning system. <i>International Journal of Refrigeration</i> , 2017, 75, 204-216.	1.8	95
67	Calorific value enhancement of fusel oil by moisture removal and its effect on the performance and combustion of a spark ignition engine. <i>Energy Conversion and Management</i> , 2017, 137, 86-96.	4.4	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. <i>Applied Thermal Engineering</i> , 2017, 116, 823-832.	3.0	74
69	The effect of combustion management on diesel engine emissions fueled with biodiesel-diesel blends. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 307-331.	8.2	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. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 169-181.	8.2	187
71	Effects of biodiesel fuel obtained from <i>Salvia macrosiphon</i> oil (ultrasonic-assisted) on performance and emissions of diesel engine. <i>Energy</i> , 2017, 131, 289-296.	4.5	27
72	Study of Diesel-biodiesel Fuel Properties and Wavelet Analysis on Cyclic Variations in a Diesel Engine. <i>Energy Procedia</i> , 2017, 110, 498-503.	1.8	15

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73	Study of a Diesel Engine Performance with Exhaust Gas Recirculation (EGR) System Fuelled with Palm Biodiesel. <i>Energy Procedia</i> , 2017, 110, 26-31.	1.8	54
74	Recent development on biodegradable nanolubricant: A review. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 159-165.	2.9	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. <i>International Communications in Heat and Mass Transfer</i> , 2017, 86, 181-189.	2.9	200
76	The optimum performance of the combined cycle power plant: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 459-474.	8.2	83
77	Potentials of palm oil as new feedstock oil for a global alternative fuel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1034-1049.	8.2	73
78	Green fuel as alternative fuel for diesel engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 694-709.	8.2	187
79	Performance and combustion characteristics of an SI engine fueled with fusel oil-gasoline at different water content. <i>Applied Thermal Engineering</i> , 2017, 123, 1374-1385.	3.0	24
80	Effect of fuel injection timing of hydrogen rich syngas augmented with methane in direct-injection spark-ignition engine. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23846-23855.	3.8	20
81	Corrosion effect of phase change materials in solar thermal energy storage application. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 19-33.	8.2	107
82	Thermo-physical properties of hybrid nanofluids and hybrid nanolubricants: A comprehensive review on performance. <i>International Communications in Heat and Mass Transfer</i> , 2017, 83, 30-39.	2.9	121
83	Investigation of the effects of iso-butanol additives on spark ignition engine fuelled with methanol-gasoline blends. <i>Applied Thermal Engineering</i> , 2017, 114, 593-600.	3.0	51
84	Using fusel oil as a blend in gasoline to improve SI engine efficiencies: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 1232-1242.	8.2	68
85	Application of response surface methodology in optimization of performance and exhaust emissions of secondary butyl alcohol-gasoline blends in SI engine. <i>Energy Conversion and Management</i> , 2017, 133, 178-195.	4.4	77
86	Response surface methodology (RSM) based multi-objective optimization of fusel oil-gasoline blends at different water content in SI engine. <i>Energy Conversion and Management</i> , 2017, 150, 222-241.	4.4	97
87	BIPV in Southeast Asian countries – opportunities and challenges. <i>Renewable Energy Focus</i> , 2017, 21, 25-32.	2.2	54
88	Factors affecting the performance of hybrid nanofluids: A comprehensive review. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 630-646.	2.5	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. <i>Applied Thermal Engineering</i> , 2017, 112, 707-719.	3.0	57
90	Recent advancement of nanofluids in engine cooling system. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 137-144.	8.2	68

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91	Effect of emulsification and blending on the oxygenation and substitution of diesel fuel for compression ignition engine. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 1281-1294.	8.2	60
92	Potential of nanorefrigerant and nanolubricant on energy saving in refrigeration system – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 415-428.	8.2	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. <i>Experimental Thermal and Fluid Science</i> , 2017, 81, 420-429.	1.5	137
94	Cylinder Pressure Cyclic Variations in a Diesel Engine operating with Biodiesel-Alcohol Blends. <i>Energy Procedia</i> , 2017, 142, 303-308.	1.8	13
95	MULTI-BAND ANTENNA ARRAY BASED ON DOUBLE NEGATIVE METAMATERIAL FOR MULTI AUTOMOTIVE APPLICATIONS. <i>Progress in Electromagnetics Research</i> , 2017, 159, 27-37.	1.6	8
96	Experimental exergy analysis of water-cooled PV module. <i>International Journal of Exergy</i> , 2017, 23, 197.	0.2	0
97	A Comparison of Muscular Activity Among European, Korea and Malaysian During Seating Using Musculoskeletal Computational Analysis Method. <i>Advanced Science Letters</i> , 2017, 23, 11471-11474.	0.2	0
98	Experimental study on thermal performance of MWCNT nanocoolant in Perodua Kelisa 1000cc radiator system. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 156-161.	2.9	54
99	Heat transfer augmentation of ethylene glycol: water nanofluids and applications – A review. <i>International Communications in Heat and Mass Transfer</i> , 2016, 75, 13-23.	2.9	68
100	Micro Combined Heat and Power to provide heat and electrical power using biomass and Gamma-type Stirling engine. <i>Applied Thermal Engineering</i> , 2016, 103, 1460-1469.	3.0	50
101	Experimental investigation of turbulent heat transfer by counter and co-swirling flow in a flat tube fitted with twin twisted tapes. <i>International Communications in Heat and Mass Transfer</i> , 2016, 75, 295-302.	2.9	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. <i>International Communications in Heat and Mass Transfer</i> , 2016, 76, 24-32.	2.9	56
103	A review on why researchers apply external magnetic field on nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 60-67.	2.9	103
104	Recent progress on hybrid nanofluids in heat transfer applications: A comprehensive review. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 68-79.	2.9	313
105	A review of the impact of preparation on stability of carbon nanotube nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 253-263.	2.9	63
106	A review of thermophysical properties of water based composite nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 654-678.	8.2	152
107	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO <sub>2</sub> nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 77, 22-32.	2.9	74
108	Experimental investigation and development of new correlation for thermal conductivity and viscosity of BioGlycol/water based SiO <sub>2</sub> nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 77, 54-63.	2.9	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.	4.4	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.	2.9	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.	1.8	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.	3.0	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.	8.2	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.	3.0	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.	4.4	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.	2.9	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.	3.0	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.	8.2	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.	3.8	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.	2.9	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.	2.9	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.	2.9	79
123	Analysis of blended fuel properties and engine performance with palm biodiesel–diesel blended fuel. <i>Renewable Energy</i> , 2016, 86, 59-67.	4.3	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.	8.2	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.	0.3	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.	1.6	64
128	Solar energy in Iran: Current state and outlook. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 931-942.	8.2	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.	2.9	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's Shafer evidence theory. <i>Applied Acoustics</i> , 2015, 93, 120-129.	1.7	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.	4.5	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.	8.2	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.	3.8	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.	2.9	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
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