

Muhamad Mat Noor

List of Publications by Year in descending order

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128
papers

2,195
citations

257429

24
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276858

41
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128
all docs

128
docs citations

128
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel as alternative fuel for marine diesel engine applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 127-142.	16.4	257
2	Corrosion effect of phase change materials in solar thermal energy storage application. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 19-33.	16.4	107
3	Improvement in the performance of solar collectors with nanofluids – state-of-the-art review. <i>Nano Structures Nano Objects</i> , 2019, 18, 100276.	3.5	107
4	Tool life and wear mechanism when machining Hastelloy C-22HS. <i>Wear</i> , 2011, 270, 258-268.	3.1	84
5	Copper (II) oxide nanoparticles as additive in engine oil to increase the durability of piston-liner contact. <i>Fuel</i> , 2018, 212, 656-667.	6.4	74
6	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.	16.4	68
7	An absorption capacity investigation of new absorbent based on polyurethane foams and rice straw for oil spill cleanup. <i>Petroleum Science and Technology</i> , 2018, 36, 361-370.	1.5	58
8	Force convection heat transfer of Al ₂ O ₃ nanofluids for different based ratio of water: Ethylene glycol mixture. <i>Applied Thermal Engineering</i> , 2017, 112, 707-719.	6.0	57
9	Comparative Analysis on Performance and Emission Characteristic of Diesel Engine Fueled with Heated Coconut Oil and Diesel Fuel. <i>International Journal of Automotive and Mechanical Engineering</i> , 2018, 15, 5110-5125.	0.9	56
10	Significance of alumina in nanofluid technology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1107-1126.	3.6	55
11	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.	6.0	50
12	The effect of adding fusel oil to diesel on the performance and the emissions characteristics in a single cylinder CI engine. <i>Journal of the Energy Institute</i> , 2017, 90, 382-396.	5.3	50
13	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.	9.2	43
14	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.	6.0	43
15	A review of MILD combustion and open furnace design consideration. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012, 6, 730-754.	0.9	35
16	Optimization of Surface Roughness in End Milling Using Potential Support Vector Machine. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 2269-2275.	1.1	34
17	Response Ant Colony Optimization of End Milling Surface Roughness. <i>Sensors</i> , 2010, 10, 2054-2063.	3.8	33
18	Experimental Investigation into Electrical Discharge Machining of Stainless Steel 304. <i>Journal of Applied Sciences</i> , 2011, 11, 549-554.	0.3	32

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19	Experimental Study on Heat Transfer Coefficient and Friction Factor of Al ₂ O ₃ Nanofluid in A Packed Bed Column. <i>Journal of Mechanical Engineering and Sciences</i> , 2011, 1, 1-15.	0.6	30
20	Nanoparticles suspended in ethylene glycol thermal properties and applications: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 1324-1330.	16.4	29
21	Simultaneous reduction of nitric oxide and smoke opacity in TDI dual fuel engine fuelled with calophyllum-diesel blends and waste wood chip gas for modified inlet valve and injector nozzle geometry. <i>Energy</i> , 2019, 189, 116238.	8.8	29
22	The Simulation of Biogas Combustion in A Mild Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2014, 6, 995-1013.	0.6	29
23	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
24	Waste cooking oil blended with the engine oil for reduction of friction and wear on piston skirt. <i>Fuel</i> , 2017, 205, 247-261.	6.4	27
25	Tri-fuel emulsion with secondary atomization attributes for greener diesel engine – A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 490-506.	16.4	24
26	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 173-181.	4.8	23
27	The impacts of compression ratio on the performance and emissions of ice powered by oxygenated fuels: A review. <i>Journal of the Energy Institute</i> , 2018, 91, 19-32.	5.3	22
28	Experimental investigation on the performance of the TiO ₂ and ZnO hybrid nanocoolant in ethylene glycol mixture towards AA6061-T6 machining. <i>International Journal of Automotive and Mechanical Engineering</i> , 2017, 14, 3913-3926.	0.9	22
29	Design and Development of MILD Combustion Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2013, 5, 662-676.	0.6	22
30	Experimental investigation and prediction model for mechanical properties of copper-reinforced polylactic acid composites (Cu-PLA) using FDM-based 3D printing technique. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 5211-5232.	3.0	22
31	Palm oil based nanofluids for enhancing heat transfer and rheological properties. <i>Heat and Mass Transfer</i> , 2018, 54, 3163-3169.	2.1	21
32	A review of the performance and emissions of nano additives in diesel fuelled compression ignition-engines. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 469, 012035.	0.6	21
33	Performance of a domestic refrigerator using nanoparticles-based polyolester oil lubricant. <i>Journal of Mechanical Engineering and Sciences</i> , 2016, 10, 1778-1791.	0.6	21
34	Analysis of Recirculation Zone and Ignition Position of Non-Premixed Bluff-Body for Biogas MILD Combustion. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1176-1186.	0.9	19
35	Finite Element Based Fatigue Life Prediction of Cylinder Head for Two-Stroke Linear Engine Using Stress-Life Approach. <i>Journal of Applied Sciences</i> , 2008, 8, 3316-3327.	0.3	19
36	Effects of biodiesel blends and producer gas flow on overall performance of a turbocharged direct injection dual-fuel engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-20.	2.3	18

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37	Effect of SiC nanoparticles concentration on novel feedstock Moringa Oleifera chemically treated with neopentylglycol and their tribological behavior. <i>Fuel</i> , 2020, 280, 118630.	6.4	18
38	Effect of Compressed Natural Gas Mixing on the Engine Performance and Emissions. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1416-1429.	0.9	18
39	Optimization of Machining Parameters on Surface Roughness in EDM of Ti-6Al-4V Using Response Surface Method. <i>Advanced Materials Research</i> , 0, 213, 402-408.	0.3	17
40	The Application of Response Surface Methodology in the Investigation of the Tribological Behavior of Palm Cooking Oil Blended in Engine Oil. <i>Advances in Tribology</i> , 2016, 2016, 1-11.	2.1	17
41	The effects of nano-additives on exhaust emissions and toxicity on mankind. <i>Materials Today: Proceedings</i> , 2020, 22, 1181-1185.	1.8	17
42	Heat transfer enhancement using hybrid nanoparticles in ethylene glycol through a horizontal heated tube. <i>International Journal of Automotive and Mechanical Engineering</i> , 2017, 14, 4183-4195.	0.9	17
43	Optimization of Machining Parameters on Tool Wear Rate of Ti-6Al-4V through EDM Using Copper Tungsten Electrode: A Statistical Approach. <i>Advanced Materials Research</i> , 2010, 152-153, 1595-1602.	0.3	16
44	Engine performance, exhaust emission and combustion analysis of a 4-stroke spark ignited engine using dual fuel injection. <i>Fuel</i> , 2017, 207, 719-728.	6.4	16
45	MILD Combustion: the Future for Lean and Clean Combustion Technology. <i>International Review of Mechanical Engineering</i> , 2014, 8, 251.	0.2	16
46	The Influence of Formulation Ratio and Emulsifying Settings on Tri-Fuel (Diesel-Ethanol-Biodiesel) Emulsion Properties. <i>Energies</i> , 2019, 12, 1708.	3.1	15
47	EFFECT OF AIR-FUEL RATIO ON TEMPERATURE DISTRIBUTION AND POLLUTANTS FOR BIOGAS MILD COMBUSTION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 10, 1980-1992.	0.9	15
48	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.	6.4	14
49	Multiaxial Fatigue Behavior of Cylinder Head for a Free Piston Linear Engine. <i>Journal of Applied Sciences</i> , 2009, 9, 2725-2734.	0.3	14
50	In-Cylinder Heat Transfer Characteristics of Hydrogen Fueled Engine: A Steady State Approach. <i>American Journal of Environmental Sciences</i> , 2010, 6, 124-129.	0.5	13
51	Multi-objective optimization of minimum quantity lubrication in end milling of aluminum alloy AA6061T6. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015, 12, 3003-3017.	0.9	13
52	Mechanical Vapour Compression Refrigeration System: Review Part 1: Environment Challenge. <i>International Journal of Applied Mechanics and Engineering</i> , 2020, 25, 130-147.	0.7	13
53	Finite Element Based Fatigue Life Prediction of a New Free Piston Engine Mounting. <i>Journal of Applied Sciences</i> , 2008, 8, 1612-1621.	0.3	13
54	AIR FUEL RATIO STUDY FOR MIXTURE OF BIOGAS AND HYDROGEN ON MILD COMBUSTION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 10, 2144-2154.	0.9	12

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55	Experimental investigation of parallel type -evacuated tube solar collector using nanofluids. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-13.	2.3	11
56	Numerical investigation of in-cylinder flow characteristics of hydrogen-fuelled internal combustion engine. Journal of Mechanical Engineering and Sciences, 2016, 10, 1782-1802.	0.6	11
57	Opportunities for Biodiesel Compatibility as a Modern Combustion Engine Fuel. , 2020, , 457-476.		11
58	Support vector machine to predict diesel engine performance and emission parameters fueled with nano-particles additive to diesel fuel. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012069.	0.6	10
59	Tri-fuel (diesel-biodiesel-ethanol) emulsion characterization, stability and the corrosion effect. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012082.	0.6	10
60	CFD modelling of different properties of nanofluids in header and riser tube of flat plate solar collector. IOP Conference Series: Materials Science and Engineering, 0, 469, 012041.	0.6	9
61	Identification of Dynamics Modal Parameter for Car Chassis. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012038.	0.6	8
62	Effect of ZnO nano materials on grinding surface finishing. International Journal of Automotive and Mechanical Engineering, 2015, 12, 2829-2843.	0.9	8
63	The potential of wind and solar energy in Malaysia east coast: preliminary study at Universiti Malaysia Pahang (UMP). WIT Transactions on Ecology and the Environment, 2011, , .	0.0	8
64	Aspects of Wear Mechanisms of Carbide Tools when Machine Hastelloy C-22HS. Advanced Materials Research, 0, 83-86, 295-302.	0.3	7
65	Performance of carbide cutting tools when machining of nickel based alloy. International Journal of Material Forming, 2010, 3, 475-478.	2.0	7
66	Current Research Trends on Dry, Near-Dry and Powder Mixed Electrical Discharge Machining. Advanced Materials Research, 0, 264-265, 956-961.	0.3	7
67	A study of the stabilities, microstructures and fuel characteristics of tri-fuel (diesel-biodiesel-ethanol) using various fuel preparation methods. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012077.	0.6	7
68	Heat Transfer Characteristics of Intake Port for Spark Ignition Engine:A Comparative Study. Journal of Applied Sciences, 2010, 10, 2019-2026.	0.3	7
69	Pattern Recognition Method to Predict Recycling Strategy for Electronic Equipments. Advanced Materials Research, 0, 264-265, 949-955.	0.3	6
70	Hybrid electric vehicle car body drag analysis using computational fluid dynamics. International Journal of Automotive and Mechanical Engineering, 2017, 14, 4496-4507.	0.9	6
71	Effect of Cerbera Manghas Biodiesel on Diesel Engine Performance. International Journal of Automotive and Mechanical Engineering, 2018, 15, 5667-5682.	0.9	6
72	Heat Transfer Characteristics in Exhaust Port for Hydrogen Fueled Port Injection Engine: A Transient Approach. Advanced Materials Research, 0, 152-153, 1909-1914.	0.3	5

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73	Toward a dynamic analysis of bipedal robots inspired by human leg muscles. Journal of Mechanical Engineering and Sciences, 2018, 12, 3593-3604.	0.6	5
74	Machining of Nickel Alloy 242 with Cubic Boron Nitride Tools. Journal of Applied Sciences, 2010, 10, 2322-2327.	0.3	5
75	Compare the forecasting method of artificial neural network and support vector regression model to measure the bullwhip effect in supply chain. Journal of Mechanical Engineering and Sciences, 2019, 13, 4816-4834.	0.6	5
76	Prediction Modelling of Surface Roughness for Laser Beam Cutting on Acrylic Sheets. Advanced Materials Research, 0, 83-86, 793-800.	0.3	4
77	Modelling of Non-Premixed Turbulent Combustion of Hydrogen using Conditional Moment Closure Method. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012036.	0.6	4
78	International regulation of vehicle emissions control rules and its influence on academic engine development experimental study and vehicle manufacturing. IOP Conference Series: Materials Science and Engineering, 0, 469, 012070.	0.6	4
79	Internal energy analysis with nanofluids in header and riser tube of flat plate solar collector by CFD modelling. IOP Conference Series: Materials Science and Engineering, 0, 469, 012069.	0.6	4
80	The performance of an HCCI-DI engine fuelled with palm oil-based biodiesel. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012079.	0.6	4
81	Titanium oxide with nanocoolant for heat exchanger application. Journal of Mechanical Engineering and Sciences, 2017, 11, 2834-2844.	0.6	4
82	AIR FUEL RATIO STUDY FOR MIXTURE OF BIOGAS AND HYDROGEN ON MILD COMBUSTION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 2144-2154.	0.9	4
83	Linear Static Response of Suspension Arm Based on Artificial Neural Network Technique. Advanced Materials Research, 0, 213, 419-426.	0.3	3
84	Development of Strand Burner Test by Using Aluminized AP/HTPB. Materials Science Forum, 2016, 880, 99-104.	0.3	3
85	Transient modelling of heat loading of phase change material for energy storage. MATEC Web of Conferences, 2017, 90, 01078.	0.2	3
86	Nano Gas Bubbles Dissolve in Gasoline Fuel and Its Influence on Engine Combustion Performance. IOP Conference Series: Materials Science and Engineering, 0, 469, 012062.	0.6	3
87	Experimental Investigations of Oxygen Stripping from Feed Water in A Spray Cum Tray Type Deaerator. International Journal of Automotive and Mechanical Engineering, 2010, 1, 46-65.	0.9	3
88	Mechanical behaviour of polymeric foam core at various orientation angles. WIT Transactions on the Built Environment, 2010, , .	0.0	3
89	Fourth Order Torque Prediction Model in End Milling. Journal of Applied Sciences, 2009, 9, 2431-2437.	0.3	3
90	Investigation on modal transient response analysis of engine crankshaft structure. WIT Transactions on the Built Environment, 2010, , .	0.0	3

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91	Optimised tool life by partial swarm optimisation. International Journal of Material Forming, 2010, 3, 479-482.	2.0	2
92	Notice of Retraction: Robust design of suspension arm based on stochastic design improvement. , 2010, , .		2
93	Effect of intake conditions on heat transfer characteristics for port injection hydrogen fueled engine. , 2010, , .		2
94	Modeling, Analysis and Fatigue Life Prediction of Lower Suspension Arm. Advanced Materials Research, 0, 264-265, 1557-1562.	0.3	2
95	Adaptive neuro-fuzzy inference system (ANFIS) to predict CI engine parameters fueled with nano-particles additive to diesel fuel. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012070.	0.6	2
96	Analysis of Modifications on a Spark Ignition Engine for Operation with Natural Gas. MATEC Web of Conferences, 2016, 74, 00031.	0.2	2
97	Numerical modeling on homogeneous charge compression ignition combustion engine fueled by diesel-ethanol blends. MATEC Web of Conferences, 2016, 74, 00037.	0.2	2
98	The two-stroke poppet valve engine. Part 1: Intake and exhaust ports flow experimental assessments. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012023.	0.6	2
99	Effect of oxygenate additive on diesel engine fuel consumption and emissions operating with biodiesel-diesel blend at idling conditions. IOP Conference Series: Materials Science and Engineering, 2017, 257, 012084.	0.6	2
100	Flame ionization testing in an internal combustion engine to measure the speed of the flame for gaseous fuels. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012075.	0.6	2
101	An experimental study of the performance and emission characteristics of a compression ignition (CI) engine fueled with palm oil based biodiesel. AIP Conference Proceedings, 2019, , .	0.4	2
102	Mechanical behavior of hybrid glass Fiber-Jute reinforced with polymer composite for the wall of the Acehnese boat "Jalo Kayoh"™. IOP Conference Series: Materials Science and Engineering, 2019, 523, 012076.	0.6	2
103	3D cable-based parallel robot simulation using PD control. IOP Conference Series: Materials Science and Engineering, 2020, 788, 012069.	0.6	2
104	Analysis of Non-dimensional Numbers of Fluid Flowing Inside Tubes of Flat Plate Solar Collector. Lecture Notes in Mechanical Engineering, 2021, , 121-131.	0.4	2
105	Assessment of Surface Treatment on Fatigue Life of Cylinder Block for Linear Engine using Frequency Response Approach. American Journal of Applied Sciences, 2009, 6, 715-725.	0.2	2
106	Optimization on Wear Performance of Anti Wear Additive Added Biolubricant. Advanced Structured Materials, 2018, , 1-9.	0.5	2
107	The performance of a single-cylinder diesel engine fuelled with egusi based biodiesel. IOP Conference Series: Materials Science and Engineering, 0, 469, 012045.	0.6	2
108	Experiments on Dissimilar Valve Lift (DVL) for Turbulence Increment on a Bi-Fuel Compressed Natural Gas (CNG) Engine. Defect and Diffusion Forum, 0, 370, 19-28.	0.4	1

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109	Effects of Low Proportion Palm Fatty Acids Methyl Ester Blends on the Performance and Combustion of Marine Diesel Engine. <i>Journal of Biobased Materials and Bioenergy</i> , 2018, 12, 153-160.	0.3	1
110	Stress and Strain Analysis of the Traditional Boat Jaloe Kayoh Made of Composite Materials with Centered Loading Using the Finite Element Method. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 289-299.	0.4	1
111	Investigation of thermal-hydraulic performance in flat tube heat exchangers at various tube inclination angles. <i>International Journal of Automotive and Mechanical Engineering</i> , 2017, 14, 4542-4560.	0.9	1
112	Effects of Spot Diameter and Sheets Thickness on Fatigue Life of Spot Welded Structure based on FEA Approach. <i>American Journal of Applied Sciences</i> , 2009, 6, 137-142.	0.2	1
113	Durability Assessment of Cylinder Block for Two Stroke Free Piston Linear Engine using Random Loading. <i>American Journal of Applied Sciences</i> , 2009, 6, 726-735.	0.2	1
114	Finite Element Analysis of Strand Burner. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 705-714.	0.4	1
115	Transient in-Cylinder Gas Flow Characteristics of Single Cylinder Port Injection Hydrogen Fueled Engine. <i>American Journal of Applied Sciences</i> , 2010, 7, 1364-1371.	0.2	0
116	Prediction of Recycle Method Using Relevance Vector Machine. <i>Advanced Materials Research</i> , 2011, 264-265, 943-948.	0.3	0
117	Methods of preparing internal combustion engine cylinder bore surfaces for frictional improvement. <i>MATEC Web of Conferences</i> , 2017, 90, 01055.	0.2	0
118	Investigation on Flow and Heat Transfer of Supercritical CO ₂ in Helical Coiled Tubes at Various Supercritical Pressures. <i>MATEC Web of Conferences</i> , 2018, 225, 01018.	0.2	0
119	An experimental investigation on the combustion and performance of an HCCI-DI engine. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
120	Thermal management of vehicle radiator by nanocellulose with one-dimensional analysis. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
121	Nanocellulose as heat transfer liquid in heat exchanger. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
122	Diesel and various blending nanoparticles based diesel, fuel properties study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 788, 012061.	0.6	0
123	Concentration measurement on preparation of blending SiO ₂ nano biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022114.	0.6	0
124	Parametric optimisation of supercritical CO ₂ thermal-hydraulic characteristics in micro-channels using response surface methodology. <i>Australian Journal of Mechanical Engineering</i> , 2023, 21, 894-910.	2.1	0
125	Prediction modeling of power and torque in end-milling. <i>WIT Transactions on the Built Environment</i> , 2010, , .	0.0	0
126	Development of statistical model to predict R _a and R _z in laser cutting. <i>WIT Transactions on the Built Environment</i> , 2010, , .	0.0	0

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127	Verification of the Dynamic Modeling of 2-R Robot Actuated by (N) Equally Spaced Planet-Gears by Using SolidWorks and MATLAB/SIMULINK. <i>Mechanics and Mechanical Engineering</i> , 2018, 22, 1497-1510.	0.2	0
128	Development of evaporative intercooler heat exchanger for vehicle charge air enhancement using CFD simulation. <i>Journal of Mechanical Engineering and Sciences</i> , 2019, 13, 6195-6217.	0.6	0