

Muhamad Mat Noor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2012707/publications.pdf>

Version: 2024-02-01

128
papers

2,195
citations

257450

24
h-index

276875

41
g-index

128
all docs

128
docs citations

128
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric optimisation of supercritical CO ₂ thermal-hydraulic characteristics in micro-channels using response surface methodology. Australian Journal of Mechanical Engineering, 2023, 21, 894-910.	2.1	0
2	Experimental investigation and prediction model for mechanical properties of copper-reinforced polylactic acid composites (Cu-PLA) using FDM-based 3D printing technique. International Journal of Advanced Manufacturing Technology, 2022, 119, 5211-5232.	3.0	22
3	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
4	Stress and Strain Analysis of the Traditional Boat Jaloe Kayoh Made of Composite Materials with Centered Loading Using the Finite Element Method. Lecture Notes in Mechanical Engineering, 2021, , 289-299.	0.4	1
5	The effects of nano-additives on exhaust emissions and toxicity on mankind. Materials Today: Proceedings, 2020, 22, 1181-1185.	1.8	17
6	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
7	Effect of SiC nanoparticles concentration on novel feedstock Moringa Oleifera chemically treated with neopentylglycol and their tribological behavior. Fuel, 2020, 280, 118630.	6.4	18
8	Diesel and various blending nanoparticles based diesel, fuel properties study. IOP Conference Series: Materials Science and Engineering, 2020, 788, 012061.	0.6	0
9	3D cable-based parallel robot simulation using PD control. IOP Conference Series: Materials Science and Engineering, 2020, 788, 012069.	0.6	2
10	Concentration measurement on preparation of blending SiO ₂ nano biodiesel. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022114.	0.6	0
11	Mechanical Vapour Compression Refrigeration System: Review Part 1: Environment Challenge. International Journal of Applied Mechanics and Engineering, 2020, 25, 130-147.	0.7	13
12	Opportunities for Biodiesel Compatibility as a Modern Combustion Engine Fuel. , 2020, , 457-476.		11
13	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
14	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. Energy, 2019, 189, 116238.	8.8	29
15	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
16	Significance of alumina in nanofluid technology. Journal of Thermal Analysis and Calorimetry, 2019, 138, 1107-1126.	3.6	55
17	The Influence of Formulation Ratio and Emulsifying Settings on Tri-Fuel (Diesel–Ethanol–Biodiesel) Emulsion Properties. Energies, 2019, 12, 1708.	3.1	15
18	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

#	ARTICLE	IF	CITATIONS
19	An experimental investigation on the combustion and performance of an HCCI-DI engine. AIP Conference Proceedings, 2019, , .	0.4	0
20	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
21	Improvement in the performance of solar collectors with nanofluids – state-of-the-art review. Nano Structures Nano Objects, 2019, 18, 100276.	3.5	107
22	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
23	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
24	Thermal management of vehicle radiator by nanocellulose with one-dimensional analysis. AIP Conference Proceedings, 2019, , .	0.4	0
25	Nanocellulose as heat transfer liquid in heat exchanger. AIP Conference Proceedings, 2019, , .	0.4	0
26	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
27	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
28	Development of evaporative intercooler heat exchanger for vehicle charge air enhancement using CFD simulation. Journal of Mechanical Engineering and Sciences, 2019, 13, 6195-6217.	0.6	0
29	An absorption capacity investigation of new absorbent based on polyurethane foams and rice straw for oil spill cleanup. Petroleum Science and Technology, 2018, 36, 361-370.	1.5	58
30	The impacts of compression ratio on the performance and emissions of ice powered by oxygenated fuels: A review. Journal of the Energy Institute, 2018, 91, 19-32.	5.3	22
31	Copper (II) oxide nanoparticles as additive in engine oil to increase the durability of piston-liner contact. Fuel, 2018, 212, 656-667.	6.4	74
32	Effects of Low Proportion Palm Fatty Acids Methyl Ester Blends on the Performance and Combustion of Marine Diesel Engine. Journal of Biobased Materials and Bioenergy, 2018, 12, 153-160.	0.3	1
33	Investigation on Flow and Heat Transfer of Supercritical CO ₂ in Helical Coiled Tubes at Various Supercritical Pressures. MATEC Web of Conferences, 2018, 225, 01018.	0.2	0
34	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. International Journal of Heat and Mass Transfer, 2018, 127, 173-181.	4.8	23
35	Palm oil based nanofluids for enhancing heat transfer and rheological properties. Heat and Mass Transfer, 2018, 54, 3163-3169.	2.1	21
36	Biodiesel as alternative fuel for marine diesel engine applications: A review. Renewable and Sustainable Energy Reviews, 2018, 94, 127-142.	16.4	257

#	ARTICLE	IF	CITATIONS
37	Comparative Analysis on Performance and Emission Characteristic of Diesel Engine Fueled with Heated Coconut Oil and Diesel Fuel. International Journal of Automotive and Mechanical Engineering, 2018, 15, 5110-5125.	0.9	56
38	Effect of Cerbera Manghas Biodiesel on Diesel Engine Performance. International Journal of Automotive and Mechanical Engineering, 2018, 15, 5667-5682.	0.9	6
39	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
40	Optimization on Wear Performance of Anti Wear Additive Added Biolubricant. Advanced Structured Materials, 2018, , 1-9.	0.5	2
41	Finite Element Analysis of Strand Burner. Lecture Notes in Mechanical Engineering, 2018, , 705-714.	0.4	1
42	Verification of the Dynamic Modeling of 2-R Robot Actuated by (N) Equally Spaced Planet-Gears by Using SolidWorks and MATLAB/SIMULINK. Mechanics and Mechanical Engineering, 2018, 22, 1497-1510.	0.2	0
43	The effect of adding fusel oil to diesel on the performance and the emissions characteristics in a single cylinder CI engine. Journal of the Energy Institute, 2017, 90, 382-396.	5.3	50
44	Methods of preparing internal combustion engine cylinder bore surfaces for frictional improvement. MATEC Web of Conferences, 2017, 90, 01055.	0.2	0
45	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
46	Transient modelling of heat loading of phase change material for energy storage. MATEC Web of Conferences, 2017, 90, 01078.	0.2	3
47	Waste cooking oil blended with the engine oil for reduction of friction and wear on piston skirt. Fuel, 2017, 205, 247-261.	6.4	27
48	Corrosion effect of phase change materials in solar thermal energy storage application. Renewable and Sustainable Energy Reviews, 2017, 76, 19-33.	16.4	107
49	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
50	Nanoparticles suspended in ethylene glycol thermal properties and applications: An overview. Renewable and Sustainable Energy Reviews, 2017, 69, 1324-1330.	16.4	29
51	Engine performance, exhaust emission and combustion analysis of a 4-stroke spark ignited engine using dual fuel injection. Fuel, 2017, 207, 719-728.	6.4	16
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Experimental investigation on the performance of the TiO ₂ and ZnO hybrid nanocoolant in ethylene glycol mixture towards AA6061-T6 machining. International Journal of Automotive and Mechanical Engineering, 2017, 14, 3913-3926.	0.9	22
58	Heat transfer enhancement using hybrid nanoparticles in ethylene glycol through a horizontal heated tube. International Journal of Automotive and Mechanical Engineering, 2017, 14, 4183-4195.	0.9	17
59	Investigation of thermal-hydraulic performance in flat tube heat exchangers at various tube inclination angles. International Journal of Automotive and Mechanical Engineering, 2017, 14, 4542-4560.	0.9	1
60	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
61	Titanium oxide with nanocoolant for heat exchanger application. Journal of Mechanical Engineering and Sciences, 2017, 11, 2834-2844.	0.6	4
62	The Application of Response Surface Methodology in the Investigation of the Tribological Behavior of Palm Cooking Oil Blended in Engine Oil. Advances in Tribology, 2016, 2016, 1-11.	2.1	17
63	Analysis of Modifications on a Spark Ignition Engine for Operation with Natural Gas. MATEC Web of Conferences, 2016, 74, 00031.	0.2	2
64	Development of Strand Burner Test by Using Aluminized AP/HTPB. Materials Science Forum, 2016, 880, 99-104.	0.3	3
65	Numerical modeling on homogeneous charge compression ignition combustion engine fueled by diesel-ethanol blends. MATEC Web of Conferences, 2016, 74, 00037.	0.2	2
66	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
67	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
68	Performance of a domestic refrigerator using nanoparticles-based polyolester oil lubricant. Journal of Mechanical Engineering and Sciences, 2016, 10, 1778-1791.	0.6	21
69	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
70	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
71	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
72	Multi-objective optimization of minimum quantity lubrication in end milling of aluminum alloy AA6061T6. International Journal of Automotive and Mechanical Engineering, 2015, 12, 3003-3017.	0.9	13

#	ARTICLE	IF	CITATIONS
73	Effect of ZnO nano materials on grinding surface finishing. International Journal of Automotive and Mechanical Engineering, 2015, 12, 2829-2843.	0.9	8
74	EFFECT OF AIR-FUEL RATIO ON TEMPERATURE DISTRIBUTION AND POLLUTANTS FOR BIOGAS MILD COMBUSTION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1980-1992.	0.9	15
75	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	12
76	The Simulation of Biogas Combustion in A Mild Burner. Journal of Mechanical Engineering and Sciences, 2014, 6, 995-1013.	0.6	29
77	MILD Combustion: the Future for Lean and Clean Combustion Technology. International Review of Mechanical Engineering, 2014, 8, 251.	0.2	16
78	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
79	Effect of Compressed Natural Gas Mixing on the Engine Performance and Emissions. International Journal of Automotive and Mechanical Engineering, 2013, 8, 1416-1429.	0.9	18
80	Analysis of Recirculation Zone and Ignition Position of Non-Premixed Bluff-Body for Biogas MILD Combustion. International Journal of Automotive and Mechanical Engineering, 2013, 8, 1176-1186.	0.9	19
81	Design and Development of MILD Combustion Burner. Journal of Mechanical Engineering and Sciences, 2013, 5, 662-676.	0.6	22
82	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
83	Optimization of Surface Roughness in End Milling Using Potential Support Vector Machine. Arabian Journal for Science and Engineering, 2012, 37, 2269-2275.	1.1	34
84	A review of MILD combustion and open furnace design consideration. International Journal of Automotive and Mechanical Engineering, 2012, 6, 730-754.	0.9	35
85	Identification of Dynamics Modal Parameter for Car Chassis. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012038.	0.6	8
86	Tool life and wear mechanism when machining Hastelloy C-22HS. Wear, 2011, 270, 258-268.	3.1	84
87	Prediction of Recycle Method Using Relevance Vector Machine. Advanced Materials Research, 2011, 264-265, 943-948.	0.3	0
88	Experimental Study on Heat Transfer Coefficient and Friction Factor of Al ₂ O ₃ Nanofluid in A Packed Bed Column. Journal of Mechanical Engineering and Sciences, 2011, 1, 1-15.	0.6	30
89	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
90	Experimental Investigation into Electrical Discharge Machining of Stainless Steel 304. Journal of Applied Sciences, 2011, 11, 549-554.	0.3	32

#	ARTICLE	IF	CITATIONS
91	Performance of carbide cutting tools when machining of nickel based alloy. International Journal of Material Forming, 2010, 3, 475-478.	2.0	7
92	Optimised tool life by partial swarm optimisation. International Journal of Material Forming, 2010, 3, 479-482.	2.0	2
93	Transient in-Cylinder Gas Flow Characteristics of Single Cylinder Port Injection Hydrogen Fueled Engine. American Journal of Applied Sciences, 2010, 7, 1364-1371.	0.2	0
94	In-Cylinder Heat Transfer Characteristics of Hydrogen Fueled Engine: A Steady State Approach. American Journal of Environmental Sciences, 2010, 6, 124-129.	0.5	13
95	Response Ant Colony Optimization of End Milling Surface Roughness. Sensors, 2010, 10, 2054-2063.	3.8	33
96	Optimization of Machining Parameters on Tool Wear Rate of Ti-6Al-4V through EDM Using Copper Tungsten Electrode: A Statistical Approach. Advanced Materials Research, 2010, 152-153, 1595-1602.	0.3	16
97	Notice of Retraction: Robust design of suspension arm based on stochastic design improvement. , 2010, , .		2
98	Effect of intake conditions on heat transfer characteristics for port injection hydrogen fueled engine. , 2010, , .		2
99	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
100	Mechanical behaviour of polymeric foam core at various orientation angles. WIT Transactions on the Built Environment, 2010, , .	0.0	3
101	Heat Transfer Characteristics of Intake Port for Spark Ignition Engine:A Comparative Study. Journal of Applied Sciences, 2010, 10, 2019-2026.	0.3	7
102	Machining of Nickel Alloy 242 with Cubic Boron Nitride Tools. Journal of Applied Sciences, 2010, 10, 2322-2327.	0.3	5
103	Investigation on modal transient response analysis of engine crankshaft structure. WIT Transactions on the Built Environment, 2010, , .	0.0	3
104	Prediction modeling of power and torque in end-milling. WIT Transactions on the Built Environment, 2010, , .	0.0	0
105	Development of statistical model to predict R_{a} and R_{z} in laser cutting. WIT Transactions on the Built Environment, 2010, , .	0.0	0
106	Multiaxial Fatigue Behavior of Cylinder Head for a Free Piston Linear Engine. Journal of Applied Sciences, 2009, 9, 2725-2734.	0.3	14
107	Effects of Spot Diameter and Sheets Thickness on Fatigue Life of Spot Welded Structure based on FEA Approach. American Journal of Applied Sciences, 2009, 6, 137-142.	0.2	1
108	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

#	ARTICLE	IF	CITATIONS
109	Durability Assessment of Cylinder Block for Two Stroke Free Piston Linear Engine using Random Loading. American Journal of Applied Sciences, 2009, 6, 726-735.	0.2	1
110	Fourth Order Torque Prediction Model in End Milling. Journal of Applied Sciences, 2009, 9, 2431-2437.	0.3	3
111	Finite Element Based Fatigue Life Prediction of a New Free Piston Engine Mounting. Journal of Applied Sciences, 2008, 8, 1612-1621.	0.3	13
112	Finite Element Based Fatigue Life Prediction of Cylinder Head for Two-Stroke Linear Engine Using Stress-Life Approach. Journal of Applied Sciences, 2008, 8, 3316-3327.	0.3	19
113	Aspects of Wear Mechanisms of Carbide Tools when Machine Hastelloy C-22HS. Advanced Materials Research, 0, 83-86, 295-302.	0.3	7
114	Prediction Modelling of Surface Roughness for Laser Beam Cutting on Acrylic Sheets. Advanced Materials Research, 0, 83-86, 793-800.	0.3	4
115	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
116	Modeling, Analysis and Fatigue Life Prediction of Lower Suspension Arm. Advanced Materials Research, 0, 264-265, 1557-1562.	0.3	2
117	Pattern Recognition Method to Predict Recycling Strategy for Electronic Equipments. Advanced Materials Research, 0, 264-265, 949-955.	0.3	6
118	Optimization of Machining Parameters on Surface Roughness in EDM of Ti-6Al-4V Using Response Surface Method. Advanced Materials Research, 0, 213, 402-408.	0.3	17
119	Current Research Trends on Dry, Near-Dry and Powder Mixed Electrical Discharge Machining. Advanced Materials Research, 0, 264-265, 956-961.	0.3	7
120	Linear Static Response of Suspension Arm Based on Artificial Neural Network Technique. Advanced Materials Research, 0, 213, 419-426.	0.3	3
121	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
122	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
123	A review of the performance and emissions of nano additives in diesel fuelled compression ignition-engines. IOP Conference Series: Materials Science and Engineering, 0, 469, 012035.	0.6	21
124	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
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	Effects of biodiesel blends and producer gas flow on overall performance of a turbocharged direct injection dual-fuel engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	2.3	18
128	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