

Muhamad Mat Noor

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2012707/muhamad-mat-noor-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

1,292
citations

18
h-index

31
g-index

128
ext. papers

1,632
ext. citations

2.1
avg, IF

4.92
L-index

#	Paper	IF	Citations
108	Analysis of Non-dimensional Numbers of Fluid Flowing Inside Tubes of Flat Plate Solar Collector. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 121-131	0.4	0
107	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
106	Concentration measurement on preparation of blending SiO ₂ nano biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 736, 022114	0.4	
105	Opportunities for Biodiesel Compatibility as a Modern Combustion Engine Fuel 2020 , 457-476		0
104	Mechanical Vapour Compression Refrigeration System: Review Part 1: Environment Challenge. <i>International Journal of Applied Mechanics and Engineering</i> , 2020 , 25, 130-147	0.6	4
103	The effects of nano-additives on exhaust emissions and toxicity on mankind. <i>Materials Today: Proceedings</i> , 2020 , 22, 1181-1185	1.4	7
102	Experimental investigation of parallel type -evacuated tube solar collector using nanofluids. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 1-13	1.6	6
101	Effect of SiC nanoparticles concentration on novel feedstock Moringa Oleifera chemically treated with neopentylglycol and their tribological behavior. <i>Fuel</i> , 2020 , 280, 118630	7.1	8
100	Diesel and various blending nanoparticles based diesel, fuel properties study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 788, 012061	0.4	
99	3D cable-based parallel robot simulation using PD control. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 788, 012069	0.4	1
98	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	7.1	12
97	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	7.9	7
96	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	16.2	13
95	Significance of alumina in nanofluid technology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1107-1126	4.1	34
94	The Influence of Formulation Ratio and Emulsifying Settings on Tri-Fuel (Diesel/Ethanol/Biodiesel) Emulsion Properties. <i>Energies</i> , 2019 , 12, 1708	3.1	8
93	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> , 2019 , 469, 012035	0.4	10
92	Flame ionization testing in an internal combustion engine to measure the speed of the flame for gaseous fuels. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012075	0.4	0

91	Nano Gas Bubbles Dissolve in Gasoline Fuel and Its Influence on Engine Combustion Performance. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012062	0.4	1
90	Improvement in the performance of solar collectors with nanofluids [A state-of-the-art review. <i>Nano Structures Nano Objects</i> , 2019 , 18, 100276	5.6	70
89	Internal energy analysis with nanofluids in header and riser tube of flat plate solar collector by CFD modelling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012069	0.4	1
88	CFD modelling of different properties of nanofluids in header and riser tube of flat plate solar collector. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012041	0.4	6
87	The performance of an HCCI-DI engine fuelled with palm oil-based biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012079	0.4	3
86	International regulation of vehicle emissions control rules and its influence on academic engine development experimental study and vehicle manufacturing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 469, 012070	0.4	2
85	Mechanical behavior of hybrid glass Fiber-Jute reinforced with polymer composite for the wall of the Acehese boat [Dalo Kayoh] <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 523, 012076†	0.4	2
84	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> , 2019 , 1-20	1.6	5
83	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	5.8	24
82	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	1.4	25
81	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	5.7	13
80	Copper (II) oxide nanoparticles as additive in engine oil to increase the durability of piston-liner contact. <i>Fuel</i> , 2018 , 212, 656-667	7.1	58
79	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 173-181	4.9	18
78	Palm oil based nanofluids for enhancing heat transfer and rheological properties. <i>Heat and Mass Transfer</i> , 2018 , 54, 3163-3169	2.2	11
77	Biodiesel as alternative fuel for marine diesel engine applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 94, 127-142	16.2	149
76	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	1.4	30
75	Effect of Cerbera Manghas Biodiesel on Diesel Engine Performance. <i>International Journal of Automotive and Mechanical Engineering</i> , 2018 , 15, 5667-5682	1.4	2
74	Toward a dynamic analysis of bipedal robots inspired by human leg muscles. <i>Journal of Mechanical Engineering and Sciences</i> , 2018 , 12, 3593-3604	2	3

73	Finite Element Analysis of Strand Burner. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 705-714	0.4	
72	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	0.9	
71	Optimization on Wear Performance of Anti Wear Additive Added Biolubricant. <i>Advanced Structured Materials</i> , 2018 , 1-9	0.6	2
70	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	0.3	
69	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	5.7	38
68	Methods of preparing internal combustion engine cylinder bore surfaces for frictional improvement. <i>MATEC Web of Conferences</i> , 2017 , 90, 01055	0.3	
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	10.6	30
66	Transient modelling of heat loading of phase change material for energy storage. <i>MATEC Web of Conferences</i> , 2017 , 90, 01078	0.3	2
65	Experiments on Dissimilar Valve Lift (DVL) for Turbulence Increment on a Bi-Fuel Compressed Natural Gas (CNG) Engine. <i>Defect and Diffusion Forum</i> , 2017 , 370, 19-28	0.7	1
64	Waste cooking oil blended with the engine oil for reduction of friction and wear on piston skirt. <i>Fuel</i> , 2017 , 205, 247-261	7.1	17
63	Corrosion effect of phase change materials in solar thermal energy storage application. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 19-33	16.2	69
62	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	16.2	55
61	Nanoparticles suspended in ethylene glycol thermal properties and applications: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 69, 1324-1330	16.2	21
60	The two-stroke poppet valve engine. Part 1: Intake and exhaust ports flow experimental assessments. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012023	0.4	1
59	A study of the stabilities, microstructures and fuel characteristics of tri-fuel (diesel-biodiesel-ethanol) using various fuel preparation methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012077	0.4	6
58	Effect of oxygenate additive on diesel engine fuel consumption and emissions operating with biodiesel-diesel blend at idling conditions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012084	0.4	2
57	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	7.1	12
56	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	5.8	45

55	Tri-fuel (diesel-biodiesel-ethanol) emulsion characterization, stability and the corrosion effect. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 257, 012082	0.4	8
54	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	1.4	13
53	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	1.4	13
52	Prediction of marine diesel engine performance by using artificial neural network model. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1917-1930	2	16
51	Performance of a domestic refrigerator using nanoparticles-based polyolester oil lubricant. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1778-1791	2	12
50	Numerical investigation of in-cylinder flow characteristics of hydrogen-fuelled internal combustion engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1782-1802	2	5
49	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	1.6	7
48	Analysis of Modifications on a Spark Ignition Engine for Operation with Natural Gas. <i>MATEC Web of Conferences</i> , 2016 , 74, 00031	0.3	2
47	Development of Strand Burner Test by Using Aluminized AP/HTPB. <i>Materials Science Forum</i> , 2016 , 880, 99-104	0.4	2
46	Numerical modeling on homogeneous charge compression ignition combustion engine fueled by diesel-ethanol blends. <i>MATEC Web of Conferences</i> , 2016 , 74, 00037	0.3	1
45	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	5.8	38
44	Support vector machine to predict diesel engine performance and emission parameters fueled with nano-particles additive to diesel fuel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012069	0.4	7
43	Adaptive neuro-fuzzy inference system (ANFIS) to predict CI engine parameters fueled with nano-particles additive to diesel fuel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012070	0.4	1
42	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	1.4	7
41	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	1.4	9
40	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	1.4	7
39	The Simulation of Biogas Combustion in A Mild Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2014 , 6, 995-1013	2	15
38	MILD Combustion: the Future for Lean and Clean Combustion Technology. <i>International Review of Mechanical Engineering</i> , 2014 , 8, 251	1.8	10

37	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	1.4	8
36	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	1.4	9
35	Design and Development of MILD Combustion Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2013 , 5, 662-676	2	12
34	Optimization of Surface Roughness in End Milling Using Potential Support Vector Machine. <i>Arabian Journal for Science and Engineering</i> , 2012 , 37, 2269-2275		22
33	Modelling of Non-Premixed Turbulent Combustion of Hydrogen using Conditional Moment Closure Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012036	0.4	1
32	A review of MILD combustion and open furnace design consideration. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012 , 6, 730-754	1.4	23
31	Identification of Dynamics Modal Parameter for Car Chassis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 17, 012038	0.4	4
30	Tool life and wear mechanism when machining Hastelloy C-22HS. <i>Wear</i> , 2011 , 270, 258-268	3.5	54
29	Prediction of Recycle Method Using Relevance Vector Machine. <i>Advanced Materials Research</i> , 2011 , 264-265, 943-948	0.5	
28	Modeling, Analysis and Fatigue Life Prediction of Lower Suspension Arm. <i>Advanced Materials Research</i> , 2011 , 264-265, 1557-1562	0.5	1
27	Pattern Recognition Method to Predict Recycling Strategy for Electronic Equipments. <i>Advanced Materials Research</i> , 2011 , 264-265, 949-955	0.5	5
26	Optimization of Machining Parameters on Surface Roughness in EDM of Ti-6Al-4V Using Response Surface Method. <i>Advanced Materials Research</i> , 2011 , 213, 402-408	0.5	10
25	Current Research Trends on Dry, Near-Dry and Powder Mixed Electrical Discharge Machining. <i>Advanced Materials Research</i> , 2011 , 264-265, 956-961	0.5	3
24	Linear Static Response of Suspension Arm Based on Artificial Neural Network Technique. <i>Advanced Materials Research</i> , 2011 , 213, 419-426	0.5	1
23	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	2	6
22	The potential of wind and solar energy in Malaysia east coast: preliminary study at Universiti Malaysia Pahang (UMP) 2011 ,		4
21	Experimental Investigation into Electrical Discharge Machining of Stainless Steel 304. <i>Journal of Applied Sciences</i> , 2011 , 11, 549-554	0.3	18
20	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	0.8	

19	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	12
18	Response Ant Colony Optimization of end milling surface roughness. <i>Sensors</i> , 2010 , 10, 2054-63	3.8	23
17	Heat Transfer Characteristics in Exhaust Port for Hydrogen Fueled Port Injection Engine: A Transient Approach. <i>Advanced Materials Research</i> , 2010 , 152-153, 1909-1914	0.5	1
16	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	0.5	7
15	2010 ,		2
14	Performance of carbide cutting tools when machining of nickel based alloy. <i>International Journal of Material Forming</i> , 2010 , 3, 475-478	2	3
13	Optimised tool life by partial swarm optimisation. <i>International Journal of Material Forming</i> , 2010 , 3, 479-482	2	
12	Mechanical behaviour of polymeric foam core at various orientation angles 2010 ,		2
11	Heat Transfer Characteristics of Intake Port for Spark Ignition Engine:A Comparative Study. <i>Journal of Applied Sciences</i> , 2010 , 10, 2019-2026	0.3	5
10	Machining of Nickel Alloy 242 with Cubic Boron Nitride Tools. <i>Journal of Applied Sciences</i> , 2010 , 10, 2322-2327	0.3	3
9	Aspects of Wear Mechanisms of Carbide Tools when Machine Hastelloy C-22HS. <i>Advanced Materials Research</i> , 2009 , 83-86, 295-302	0.5	6
8	Prediction Modelling of Surface Roughness for Laser Beam Cutting on Acrylic Sheets. <i>Advanced Materials Research</i> , 2009 , 83-86, 793-800	0.5	4
7	Multiaxial Fatigue Behavior of Cylinder Head for a Free Piston Linear Engine. <i>Journal of Applied Sciences</i> , 2009 , 9, 2725-2734	0.3	3
6	Fourth Order Torque Prediction Model in End Milling. <i>Journal of Applied Sciences</i> , 2009 , 9, 2431-2437	0.3	
5	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	8
4	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	10
3	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> ,1	3.2	3
2	The performance of a single-cylinder diesel engine fuelled with egusi based biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> ,469, 012045	0.4	1

1

Parametric optimisation of supercritical CO₂ thermal-hydraulic characteristics in micro-channels using response surface methodology. *Australian Journal of Mechanical Engineering*,1-17

1