

Muhamad Mat Noor

List of Publications by Citations

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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	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
107	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
106	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
105	Copper (II) oxide nanoparticles as additve in engine oil to increase the durability of piston-liner contact. <i>Fuel</i> , 2018 , 212, 656-667	7.1	58
104	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
103	Tool life and wear mechanism when machining Hastelloy C-22HS. <i>Wear</i> , 2011 , 270, 258-268	3.5	54
102	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
101	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
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	5.8	38
99	Significance of alumina in nanofluid technology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1107-1126	4.1	34
98	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
97	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
96	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
95	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
94	Response Ant Colony Optimization of end milling surface roughness. <i>Sensors</i> , 2010 , 10, 2054-63	3.8	23
93	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
92	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

91	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
90	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
89	Experimental Investigation into Electrical Discharge Machining of Stainless Steel 304. <i>Journal of Applied Sciences</i> , 2011 , 11, 549-554	0.3	18
88	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
87	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
86	The Simulation of Biogas Combustion in A Mild Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2014 , 6, 995-1013	2	15
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	Design and Development of MILD Combustion Burner. <i>Journal of Mechanical Engineering and Sciences</i> , 2013 , 5, 662-676	2	12
76	Palm oil based nanofluids for enhancing heat transfer and rheological properties. <i>Heat and Mass Transfer</i> , 2018 , 54, 3163-3169	2.2	11
75	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
74	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

73	MILD Combustion: the Future for Lean and Clean Combustion Technology. <i>International Review of Mechanical Engineering</i> , 2014 , 8, 251	1.8	10
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	The effects of nano-additives on exhaust emissions and toxicity on mankind. <i>Materials Today: Proceedings</i> , 2020 , 22, 1181-1185	1.4	7
58	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
57	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
56	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

55	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
54	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
53	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
52	Pattern Recognition Method to Predict Recycling Strategy for Electronic Equipments. <i>Advanced Materials Research</i> , 2011 , 264-265, 949-955	0.5	5
51	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
50	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
49	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
48	Identification of Dynamics Modal Parameter for Car Chassis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 17, 012038	0.4	4
47	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
46	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
45	The potential of wind and solar energy in Malaysia east coast: preliminary study at Universiti Malaysia Pahang (UMP) 2011 ,		4
44	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
43	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
42	Performance of carbide cutting tools when machining of nickel based alloy. <i>International Journal of Material Forming</i> , 2010 , 3, 475-478	2	3
41	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
40	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
39	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
38	Machining of Nickel Alloy 242 with Cubic Boron Nitride Tools. <i>Journal of Applied Sciences</i> , 2010 , 10, 2322-2327	2.3	3

37	Transient modelling of heat loading of phase change material for energy storage. <i>MATEC Web of Conferences</i> , 2017 , 90, 01078	0.3	2
36	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
35	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
34	2010 ,		2
33	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
32	Mechanical behaviour of polymeric foam core at various orientation angles 2010 ,		2
31	Optimization on Wear Performance of Anti Wear Additive Added Biolubricant. <i>Advanced Structured Materials</i> , 2018 , 1-9	0.6	2
30	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
29	Development of Strand Burner Test by Using Aluminized AP/HTPB. <i>Materials Science Forum</i> , 2016 , 880, 99-104	0.4	2
28	Mechanical behavior of hybrid glass Fiber-Jute reinforced with polymer composite for the wall of the Acehese boat Dalo Kayoh IOP Conference Series: Materials Science and Engineering, 2019 , 523, 012076	0.4	2
27	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
26	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
25	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
24	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
23	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
22	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
21	Modeling, Analysis and Fatigue Life Prediction of Lower Suspension Arm. <i>Advanced Materials Research</i> , 2011 , 264-265, 1557-1562	0.5	1
20	Linear Static Response of Suspension Arm Based on Artificial Neural Network Technique. <i>Advanced Materials Research</i> , 2011 , 213, 419-426	0.5	1

19	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
18	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
17	3D cable-based parallel robot simulation using PD control. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 788, 012069	0.4	1
16	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
15	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
14	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
13	Opportunities for Biodiesel Compatibility as a Modern Combustion Engine Fuel 2020 , 457-476		0
12	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
11	Methods of preparing internal combustion engine cylinder bore surfaces for frictional improvement. <i>MATEC Web of Conferences</i> , 2017 , 90, 01055	0.3	
10	Concentration measurement on preparation of blending SiO ₂ nano biodiesel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 736, 022114	0.4	
9	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	
8	Prediction of Recycle Method Using Relevance Vector Machine. <i>Advanced Materials Research</i> , 2011 , 264-265, 943-948	0.5	
7	Optimised tool life by partial swarm optimisation. <i>International Journal of Material Forming</i> , 2010 , 3, 479-482	2	
6	Finite Element Analysis of Strand Burner. <i>Lecture Notes in Mechanical Engineering</i> , 2018 , 705-714	0.4	
5	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	
4	Fourth Order Torque Prediction Model in End Milling. <i>Journal of Applied Sciences</i> , 2009 , 9, 2431-2437	0.3	
3	Diesel and various blending nanoparticles based diesel, fuel properties study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 788, 012061	0.4	
2	Parametric optimisation of supercritical CO ₂ thermal-hydraulic characteristics in micro-channels using response surface methodology. <i>Australian Journal of Mechanical Engineering</i> , 1-17	1	

- 1 Investigation on Flow and Heat Transfer of Supercritical CO₂ in Helical Coiled Tubes at Various Supercritical Pressures. *MATEC Web of Conferences*, **2018**, 225, 01018 0.3