Mm Rahman

List of Publications by Year
in descending order

238 papers	4,683 citations	136885 32 h-index	149623 56 g-index
240 all docs	240 docs citations	240 times ranked	3436 citing authors

#	Article	IF	Citations
1	Performance and emission characteristics of biodieselâ€“diesel blend and environmental and economic impacts of biodiesel production: A review. Renewable and Sustainable Energy Reviews, 2017, 74, 938-948.	8.2	260
2	A review on the performance of nanoparticles suspended with refrigerants and lubricating oils in refrigeration systems. Renewable and Sustainable Energy Reviews, 2011, 15, 310-323.	8.2	223
3	Energy conservation measures in an institutional building in sub-tropical climate in Australia. Applied Energy, 2010, 87, 2994-3004.	5.1	144
4	Surface characteristics of Ti-5Al-2.5Sn in electrical discharge machining using negative polarity of electrode. International Journal of Advanced Manufacturing Technology, 2017, 92, 1-13.	1.5	136
5	Metal Matrix Composite Brake Rotor: Historical Development and Product Life Cycle Analysis. International Journal of Automotive and Mechanical Engineering, 2011, 4, 471-480.	0.5	121
6	Performance of water-based TiO2 nanofluid during the minimum quantity lubrication machining of aluminium alloy, AA6061-T6. Journal of Cleaner Production, 2016, 135, 1623-1636.	4.6	105
7	Numerical study on the conjugate effect of joule heating and magnato-hydrodynamics mixed convection in an obstructed lid-driven square cavity. International Communications in Heat and Mass Transfer, 2010, 37, 524-534.	2.9	99
8	Homogeneous charge compression ignition combustion: Advantages over compression ignition combustion, challenges and solutions. Renewable and Sustainable Energy Reviews, 2016, 57, 282-291.	8.2	91
9	Environmental impacts and hazards associated with metal working fluids and recent advances in the sustainable systems: A review. Renewable and Sustainable Energy Reviews, 2016, 60, 1008-1031.	8.2	90
10	Advances in fatigue life modeling: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 940-949.	8.2	87
11	The optimum performance of the combined cycle power plant: A comprehensive review. Renewable and Sustainable Energy Reviews, 2017, 79, 459-474.	8.2	83
12	An experimental investigation on the thermophysical properties of 40% ethylene glycol based TiO2-Al2O3 hybrid nanofluids. International Communications in Heat and Mass Transfer, 2020, 116, 104663.	2.9	81
13	An overview on thermal and fluid flow characteristics in a plain plate finned and un-finned tube banks heat exchanger. Renewable and Sustainable Energy Reviews, 2015, 43, 363-380.	8.2	77
14	Magnetohydrodynamic natural convection in trapezoidal cavities. International Communications in Heat and Mass Transfer, 2012, 39, 1384-1394.	2.9	73
15	Finite element solution of MHD mixed convection in a channel with a fully or partially heated cavity. Computers and Fluids, 2013, 79, 53-64.	1.3	72
16	Magnetohydrodynamic mixed convection in a horizontal channel with an open cavity. International Communications in Heat and Mass Transfer, 2011, 38, 184-193.	2.9	66
17	Performance prediction of spark-ignition engine running on gasoline-hydrogen and methane-hydrogen blends. Applied Energy, 2015, 158, 556-567.	5.1	60
18	Conjugated effect of joule heating and magneto-hydrodynamic on double-diffusive mixed convection in a horizontal channel with an open cavity. International Journal of Heat and Mass Transfer, 2011, 54, 3201-3213.	2.5	55

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19	An experimental investigation on surface finish in die-sinking EDM of Ti-5Al-2.5Sn. International Journal of Advanced Manufacturing Technology, 2015, 77, 1727-1740.	1.5	54
20	Root cause failure analysis of a division wall superheater tube of a coal-fired power station. Engineering Failure Analysis, 2010, 17, 1490-1494.	1.8	53
21	Evolution of IoT-enabled connectivity and applications in automotive industry: A review. Vehicular Communications, 2021, 27, 100285.	2.7	53
22	Gas Turbine Configuration for Improving the performance of Combined Cycle Power Plant. Procedia Engineering, 2011, 15, 4216-4223.	1.2	51
23	MHD natural convection in an enclosure from two semi-circular heaters on the bottom wall. International Journal of Heat and Mass Transfer, 2012, 55, 1844-1854.	2.5	50
24	A REVIEW ON HOMOGENEOUS CHARGE COMPRESSION IGNITION ENGINE PERFORMANCE USING BIODIESELâ€“DIESEL BLEND AS A FUEL. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2199-2211.	0.5	49
25	The effect of lubrication in reducing net friction in warm powder compaction process. Journal of Materials Processing Technology, 2008, 207, 118-124.	3.1	47
26	Hydromagnetic natural convective heat transfer flow in an isosceles triangular cavity filled with nanofluid using two-component nonhomogeneous model. International Journal of Thermal Sciences, 2016, 107, 272-288.	2.6	45
27	Prediction of Surface Roughness of Ti-6Al-4V in Electrical Discharge Machining: A Regression Model. Journal of Mechanical Engineering and Sciences, 2011, 1, 16-24.	0.3	39
28	Experimental investigation of flank wear in end milling of aluminum alloy with water-based TiO2 nanofluid lubricant in minimum quantity lubrication technique. International Journal of Advanced Manufacturing Technology, 2016, 86, 2527-2537.	1.5	38
29	Dynamics properties of a Go-kart chassis structure and its prediction improvement using model updating approach. International Journal of Automotive and Mechanical Engineering, 2017, 14, 3887-3897.	0.5	37
30	Wear analysis when machining AISI 304 with ethylene glycol/TIO2 nanoparticle-based coolant. International Journal of Advanced Manufacturing Technology, 2016, 82, 327-340.	1.5	36
31	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
32	Characterization of the time-averaged overall heat transfer in a direct-injection hydrogen-fueled engine. International Journal of Hydrogen Energy, 2013, 38, 4816-4830.	3.8	33
33	Study on effective parameter of the triple-pressure reheat combined cycle performance. Thermal Science, 2013, 17, 497-508.	0.5	33
34	Performance predictions of laminar heat transfer and pressure drop in an in-line flat tube bundle using an adaptive neuro-fuzzy inference system (ANFIS) model. International Communications in Heat and Mass Transfer, 2014, 50, 85-97.	2.9	33
35	Performance Evaluation of External Mixture Formation Strategy in Hydrogen Fueled Engine. Journal of Mechanical Engineering and Sciences, 2011, 1, 87-98.	0.3	32
36	Experimental Investigation into Electrical Discharge Machining of Stainless Steel 304. Journal of Applied Sciences, 2011, 11, 549-554.	0.1	32

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37	Computational analysis of mixed convection in a channel with a cavity heated from different sides. International Communications in Heat and Mass Transfer, 2012, 39, 78-84.	2.9	31
38	Influence of Operation Conditions and Ambient Temperature on Performance of Gas Turbine Power Plant. Advanced Materials Research, 0, 189-193, 3007-3013.	0.3	30
39	Numerical study of engine parameters on combustion and performance characteristics in an n-heptane fueled HCCI engine. Applied Thermal Engineering, 2018, 128, 1464-1475.	3.0	30
40	Experimental Study on Heat Transfer Coefficient and Friction Factor of Al2O3 Nanofluid in A Packed Bed Column. Journal of Mechanical Engineering and Sciences, 2011, 1, 1-15.	0.3	30
41	Fatigue Life Evaluation of Suspension Knuckle using Multibody Simulation Technique. Journal of Mechanical Engineering and Sciences, 2012, 3, 291-300.	0.3	30
42	Double-diffusive buoyancy induced flow in a triangular cavity with corrugated bottom wall: Effects of geometrical parameters. International Communications in Heat and Mass Transfer, 2013, 45, 64-74.	2.9	29
43	Effects of variable fluid properties and thermophoresis on unsteady forced convective boundary layer flow along a permeable stretching/shrinking wedge with variable Prandtl and Schmidt numbers. International Journal of Mechanical Sciences, 2016, 105, 191-205.	3.6	28
44	ARTIFICIAL NEURAL NETWORK OPTIMIZATION MODELING ON ENGINE PERFORMANCE OF DIESEL ENGINE USING BIODIESEL FUEL. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2332-2347.	0.5	28
45	Effect of mixture strength and injection timing on combustion characteristics of a direct injection hydrogen-fueled engine. International Journal of Hydrogen Energy, 2013, 38, 3793-3801.	3.8	27
46	Waste cooking oil blended with the engine oil for reduction of friction and wear on piston skirt. Fuel, 2017, 205, 247-261.	3.4	27
47	Minimum Quantity Lubricant Flow Analysis in End Milling Processes: A Computational Fluid Dynamics Approach. Journal of Mechanical Engineering and Sciences, 2012, 3, 340-345.	0.3	27
48	Optimum Performance Improvements of the Combined Cycle Based on an Intercoolerâ€“Reheated Gas Turbine. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	1.4	26
49	Numerical and statistical analysis on unsteady magnetohydrodynamic convection in a semi-circular enclosure filled with ferrofluid. International Journal of Heat and Mass Transfer, 2015, 89, 1316-1330.	2.5	26
50	A Numerical Study of Forced Convection Heat Transfer over a Series of Flat Tubes between Parallel Plates. Journal of Mechanical Engineering and Sciences, 2012, 3, 271-280.	0.3	26
51	Neural Network Modeling and Analysis for Surface Characteristics in Electrical Discharge Machining. Procedia Engineering, 2014, 90, 631-636.	1.2	25
52	Experimental Investigation on Heat Transfer and Pressure Drop Characteristics of Air Flow over A Staggered Flat Tube Bank in Crossflow. International Journal of Automotive and Mechanical Engineering, 2013, 7, 900-911.	0.5	25
53	Investigation on the effect of lubrication and forming parameters to the green compact generated from iron powder through warm forming route. Materials & Design, 2011, 32, 447-452.	5.1	24
54	Development of temperature statistical model when machining of aerospace alloy materials. Thermal Science, 2014, 18, 269-282.	0.5	24

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55	An overview on synthesis, stability, opportunities and challenges of nanofluids. Materials Today: Proceedings, 2021, 41, 30-37.	0.9	24
56	Effects of Air-Fuel Ratio and Engine Speed on Performance of Hydrogen Fueled Port Injection Engine. Journal of Applied Sciences, 2009, 9, 1128-1134.	0.1	24
57	Thermal analysis of cellulose nanocrystal-ethylene glycol nanofluid coolant. International Journal of Heat and Mass Transfer, 2018, 127, 173-181.	2.5	23
58	FINITE ELEMENT-BASED FATIGUE BEHAVIOUR OF SPRINGS IN AUTOMOBILE SUSPENSION. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1910-1919.	0.5	23
59	MACHINING PERFORMANCE OF ALUMINUM ALLOY 6061-T6 ON SURFACE FINISH USING MINIMUM QUANTITY LUBRICATION. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2699-2712.	0.5	23
60	Analysis of Laminar Forced Convection of Air for Crossflow over Two Staggered Flat Tubes. International Journal of Automotive and Mechanical Engineering, 2012, 6, 755-767.	0.5	23
61	Application of Multibody Simulation for Fatigue Life Estimation. International Journal of Automotive and Mechanical Engineering, 2013, 7, 912-923.	0.5	23
62	TEMPERATURE ANALYSIS WHEN USING ETHYLENE-GLYCOL-BASED TIO2 AS A NEW COOLANT FOR MILLING. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2272-2281.	0.5	22
63	Experimental investigation on the performance of the TiO2 and ZnO hybrid nanocoolant in ethylene glycol mixture towards AA6061-T6 machining. International Journal of Automotive and Mechanical Engineering, 2017, 14, 3913-3926.	0.5	22
64	Flank Wear Characterization in Aluminum Alloy (6061 T6) With Nanofluid Minimum Quantity Lubrication Environment Using an Uncoated Carbide Tool. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	1.3	21
65	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.	0.3	21
66	Experimental investigation on properties of hybrid nanofluids (TiO2 and ZnO) in waterâ€“ethylene glycol mixture. Journal of Mechanical Engineering and Sciences, 2017, 11, 3087-3094.	0.3	21
67	Laminar Forced Convection Heat Transfer over Staggered Circular Tube Banks: A CFD Approach. Journal of Mechanical Engineering and Sciences, 2013, 4, 418-430.	0.3	21
68	Thermal Impact of Operating Conditions on the Performance of a Combined Cycle Gas Turbine. Journal of Applied Research and Technology, 2012, 10, .	0.6	21
69	Feasibility of thermal energy storage systems in an institutional building in subtropical climates in Australia. Applied Thermal Engineering, 2011, 31, 2943-2950.	3.0	20
70	Investigation of Flow Behavior in Minimum Quantity Lubrication Nozzle for End Milling Processes. International Journal of Automotive and Mechanical Engineering, 2012, 6, 768-776.	0.5	20
71	The role of a convective surface in models of the radiative heat transfer in nanofluids. Nuclear Engineering and Design, 2014, 275, 382-392.	0.8	19
72	A techno-economic assessment of bitumen and synthetic crude oil transport (SCO) in the Canadian oil sands industry: Oil via rail or pipeline?. Energy, 2017, 124, 665-683.	4.5	19

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73	Life Cycle Analysis of Bitumen Transportation to Refineries by Rail and Pipeline. Environmental Science & Technology, 2017, 51, 680-691.	4.6	19
74	An Experimental Study of Air Flow and Heat Transfer over inâ€“Line Flat Tube Bank. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1487-1500.	0.5	19
75	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.	0.1	19
76	Engine performance and optimum injection timing for 4-cylinder direct injection hydrogen fueled engine. Simulation Modelling Practice and Theory, 2011, 19, 734-751.	2.2	18
77	A review on model updating in structural dynamics. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012015.	0.3	18
78	Effect of Compression Ratio on the Performance of Different Strategies for the Gas Turbine. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1747-1757.	0.5	18
79	Experimental Investigation of Minimum Quantity Lubrication on Tool Wear in Aluminum Alloy 6061-T6 using Different Cutting Tools. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1538-1549.	0.5	18
80	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
81	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
82	Parametric Simulation of Triple-Pressure Reheat Combined Cycle: A Case Study. Advanced Science Letters, 2012, 13, 263-268.	0.2	17
83	Statistical analysis and optimum performance of the gas turbine power plant. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3215-3215.	0.5	17
84	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.	0.5	17
85	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
86	Thermal analysis of SUS 304 stainless steel using ethylene glycol/nanocellulose-based nanofluid coolant. International Journal of Advanced Manufacturing Technology, 2018, 97, 2061-2076.	1.5	16
87	A COMPUTATIONAL FLUID DYNAMICS ANALYSIS OF SINGLE AND THREE NOZZLES MINIMUM QUANTITY LUBRICANT FLOW FOR MILLING. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1891-1900.	0.5	16
88	An Integrated Model for Predicting Engine Friction Losses in Internal Combustion Engines. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1695-1708.	0.5	16
89	Wear study of Mg-SiCp reinforcement aluminium metal matrix composite. Journal of Mechanical Engineering and Sciences, 2016, 10, 1758-1764.	0.3	16
90	Powder material parameters establishment through warm forming route. Materials & Design, 2011, 32, 264-271.	5.1	15

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91	Effective Parameters on Performance of Multipressure Combined Cycle Power Plants. Advances in Mechanical Engineering, 2015, 6, 781503-781503.	0.8	15
92	NEURAL NETWORK MODELING OF GRINDING PARAMETERS OF DUCTILE CAST IRON USING MINIMUM QUANTITY LUBRICATION. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2608-2621.	0.5	15
93	Artificial Neural Network Modeling of Grinding of Ductile Cast Iron using Water Based SiO2 Nanocoolant. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1649-1661.	0.5	15
94	Time-averaged heat transfer correlation for direct injection hydrogen fueled engine. International Journal of Hydrogen Energy, 2012, 37, 19146-19157.	3.8	14
95	AN EXPERIMENTAL STUDY FOR PERFORMANCE AND EMISSIONS OF A SMALL FOUR-STROKE SI ENGINE FOR MODERN MOTORCYCLE. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1852-1865.	0.5	14
96	A Numerical Study Laminar Forced Convection of Air for In-line Bundle of Cylinders Crossflow. Asian Journal of Scientific Research, 2013, 6, 217-226.	0.3	14
97	A Review on Finite Element Analysis Approaches in Durability Assessment of Automotive Components. Journal of Applied Sciences, 2008, 8, 2192-2201.	0.1	14
98	Multiaxial Fatigue Behavior of Cylinder Head for a Free Piston Linear Engine. Journal of Applied Sciences, 2009, 9, 2725-2734.	0.1	14
99	In-Cylinder Heat Transfer Characteristics of Hydrogen Fueled Engine: A Steady State Approach. American Journal of Environmental Sciences, 2010, 6, 124-129.	0.3	13
100	Finite element model updating of natural fibre reinforced composite structure in structural dynamics. MATEC Web of Conferences, 2016, 83, 03007.	0.1	13
101	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.	0.5	13
102	Probabilistic Finite Element Analysis on Vertebra Lumbar Spine under Hyperextension Loading. International Journal of Automotive and Mechanical Engineering, 2011, 3, 256-264.	0.5	13
103	Finite Element Based Fatigue Life Prediction of a New Free Piston Engine Mounting. Journal of Applied Sciences, 2008, 8, 1612-1621.	0.1	13
104	Development of a finite element model of metal powder compaction process at elevated temperature. Applied Mathematical Modelling, 2009, 33, 4031-4048.	2.2	12
105	UV-cured henequen fibers as polymeric matrix reinforcement: Studies of physico-mechanical and degradable properties. Materials & Design, 2009, 30, 2191-2197.	5.1	12
106	Parametric study of a two-shaft gas turbine cycle model of power plant. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012024.	0.3	12
107	Multiaxial fatigue life modelling using hybrid approach of critical plane and genetic algorithm. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 479-490.	1.7	12
108	Comparative Study of Whole-Body Vibration Exposure Between Train and Car Passengers: A Case Study in Malaysia. International Journal of Automotive and Mechanical Engineering, 2011, 4, 490-503.	0.5	12

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109	Modeling of the End Milling Process for Aluminum Alloy AA6061t6 using HSS Tool. International Journal of Automotive and Mechanical Engineering, 2013, 8, 1140-1150.	0.5	12
110	Simulation of mixed convection heat transfer in a horizontal channel with an open cavity containing a heated hollow cylinder. Heat Transfer - Asian Research, 2012, 41, 339-353.	2.8	11
111	Experimental Study on Heat Transfer and Friction Factor in Laminar Forced Convection over Flat Tube in Channel Flow. Procedia Engineering, 2015, 105, 46-55.	1.2	11
112	EXPERIMENTAL STUDY ON MINIMUM QUANTITY LUBRICATION IN END MILLING OF AA6061-T6 USING TiAlN COATED CARBIDE TOOLS. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2771-2785.	0.5	11
113	Integrated Simulation Model for Composition and Properties of Gases in Hydrogen Fueled Engine. International Journal of Automotive and Mechanical Engineering, 2013, 8, 1242-1155.	0.5	11
114	Numerical investigation of in-cylinder flow characteristics of hydrogen-fuelled internal combustion engine. Journal of Mechanical Engineering and Sciences, 2016, 10, 1782-1802.	0.3	11
115	Effects of Isentropic Efficiency and Enhancing Strategies on Gas Turbine Performance. Journal of Mechanical Engineering and Sciences, 2013, 4, 383-396.	0.3	11
116	Electrode Wear Rate of Graphite Electrodes during Electrical Discharge Machining Processes on Titanium Alloy Ti-5Al-2.5Sn. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1792-1792.	0.5	11
117	Parametric study of instantaneous heat transfer based on multidimensional model in direct-injection hydrogen-fueled engine. International Journal of Hydrogen Energy, 2013, 38, 12465-12480.	3.8	10
118	Performance ofKlebsiella oxytocato generate electricity from POME in microbial fuel cell. MATEC Web of Conferences, 2016, 38, 03004.	0.1	10
119	Correlation of numerical and experimental analysis for dynamic behaviour of a body-in-white (BIW) structure. MATEC Web of Conferences, 2017, 90, 01020.	0.1	10
120	Multi-objective optimization on the machining parameters for bio-inspired nanocoolant. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1533-1544.	2.0	10
121	ANALYSIS OF COMPRESSED NATURAL GAS BURN RATE AND FLAME PROPAGATION ON A SUB-COMPACT VEHICLE ENGINE. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2405-2416.	0.5	10
122	Fatigue Life Estimation Models: A State of the Art. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1599-1608.	0.5	10
123	Influence of surface treatments on fatigue life of a two-stroke free piston linear engine component using random loading. Journal of Zhejiang University: Science A, 2006, 7, 1819-1830.	1.3	9
124	Influence of oriented magnetic field on natural convection in an equilateral triangular enclosure filled with water- and kerosene-based ferrofluids using a two-component nonhomogeneous thermal equilibrium model. Cogent Physics, 2016, 3, .	0.7	9
125	Optimum Performance Enhancing Strategies of the Gas Turbine Based on the Effective Temperatures. MATEC Web of Conferences, 2016, 38, 01002.	0.1	9
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.	0.3	9

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127	The thermal and auto-ignition performance of a homogeneous charge compression ignition engine fuelled with diethyl ether and ethanol blends. Applied Thermal Engineering, 2021, 190, 116828.	3.0	9
128	Production of biogas from anaerobic digestion of poultry droppings and domestic waste using catalytic effect of silica gel. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3503-3517.	0.5	9
129	Experimental Study on Surface Integrity in End Milling of Hastelloy C-2000 Superalloy. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1578-1587.	0.5	9
130	Finite Element Analysis of HASTELLOY C-22HS in End Milling. Journal of Mechanical Engineering and Sciences, 2011, 1, 37-46.	0.3	9
131	Cutting force and chip formation in end milling operation when machining nickelbased superalloy, Hastelloy C-2000. Journal of Mechanical Engineering and Sciences, 2017, 14, 2539-2551.	0.3	9
132	Air Fuel Ratio on Engine Performance and Instantaneous Behavior of Crank Angle for Four Cylinder Direct Injection Hydrogen Fueled Engine. Journal of Applied Sciences, 2009, 9, 2877-2886.	0.1	9
133	FATIGUE LIFE ESTIMATION BASED ON CONTINUUM MECHANICS THEORY WITH APPLICATION OF GENETIC ALGORITHM. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2686-2698.	0.5	9
134	Identification of Dynamics Modal Parameter for Car Chassis. IOP Conference Series: Materials Science and Engineering, 2011, 17, 012038.	0.3	8
135	Response Surface Design Model to Predict Surface Roughness when Machining Hastelloy C-2000 using Uncoated Carbide Insert. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012022.	0.3	8
136	MATERIAL REMOVAL RATE AND SURFACE ROUGHNESS ON GRINDING OF DUCTILE CAST IRON USING MINIMUM QUANTITY LUBRICATION. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2471-283.	0.5	8
137	Effect of ZnO nano materials on grinding surface finishing. International Journal of Automotive and Mechanical Engineering, 2015, 12, 2829-2843.	0.5	8
138	Numerical Study on the Performance Characteristics of Hydrogen Fueled Port Injection Internal Combustion Engine. American Journal of Engineering and Applied Sciences, 2009, 2, 407-415.	0.3	8
139	Fatigue Life Assessment for Metallic Structure: A Case Study of Shell Structure under Variable Amplitude Loading. Journal of Applied Sciences, 2008, 8, 1622-1631.	0.1	8
140	AN INTEGRATED APPROACH FOR FATIGUE LIFE ESTIMATION BASED ON CONTINUUM MECHANICS THEORY AND GENETIC ALGORITHM. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2756-2770.	0.5	8
141	Performance of carbide cutting tools when machining of nickel based alloy. International Journal of Material Forming, 2010, 3, 475-478.	0.9	7
142	Current Research Trends on Dry, Near-Dry and Powder Mixed Electrical Discharge Machining. Advanced Materials Research, 0, 264-265, 956-961.	0.3	7
143	Effects of Joule Heating on Magnetic Field Inside a Channel Along with a Cavity. Procedia Engineering, 2014, 90, 389-396.	1.2	7
144	A Framework of IoT-Enabled Vehicular Noise Intensity Monitoring System for Smart City. Advances in Intelligent Systems and Computing, 2021, , 194-205.	0.5	7

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145	Investigation of Machined Surface in End-Milling Operation of Hastelloy C-2000 Using Uncoated-Carbide Insert. Advanced Science Letters, 2012, 13, 300-305.	0.2	7
146	DUAL-CRITERIA METHOD FOR DETERMINING CRITICAL PLANE ORIENTATION FOR MULTIAXIAL FATIGUE PREDICTION USING A GENETIC ALGORITHM. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2571-2581.	0.5	7
147	Heat Transfer Characteristics of Intake Port for Spark Ignition Engine:A Comparative Study. Journal of Applied Sciences, 2010, 10, 2019-2026.	0.1	7
148	Parametric optimization of end milling process under minimum quantity lubrication with nanofluid as cutting medium using pareto optimality approach. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3345-3360.	0.5	7
149	Experimental measurements of orthogonal mixed convection in a partial enclosure. International Journal of Heat and Mass Transfer, 1990, 33, 1307-1319.	2.5	6
150	Pattern Recognition Method to Predict Recycling Strategy for Electronic Equipments. Advanced Materials Research, 0, 264-265, 949-955.	0.3	6
151	Effects of forming parameters and sintering schedules to the mechanical properties and microstructures of final components. Materials & Design, 2012, 33, 153-157.	5.1	6
152	Alloyability of warm formed FeCrAl powder compacts. Materials Today Communications, 2015, 4, 42-49.	0.9	6
153	Optimal set-up and surface finish characteristics in electrical discharge machining on Ti-5Al-2.5Sn using graphite. Perspectives in Science, 2016, 8, 440-443.	0.6	6
154	Hybrid electric vehicle car body drag analysis using computational fluid dynamics. International Journal of Automotive and Mechanical Engineering, 2017, 14, 4496-4507.	0.5	6
155	Numerical simulation and animation of oscillating turbulent flow in a counterbalance valve. , 1997, , .		5
156	Development of a thermal management solution for a ruggedized Pentium based notebook computer. , 0, , .		5
157	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
158	RSM model to evaluate material removal rate in EDM of Ti-5Al-2.5Sn using graphite electrode. IOP Conference Series: Materials Science and Engineering, 2012, 36, 012016.	0.3	5
159	A finite element analysis on combined convection and conduction in a channel with a thick walled cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 1888-1905.	1.6	5
160	An Experimental Study of Heat Transfer and Friction Factor Characteristics of Finned Flat Tube Banks with In-Line Tubes Configurations. Applied Mechanics and Materials, 0, 564, 197-203.	0.2	5
161	Effect of Erbium Addition on the Microstructure and Mechanical Properties of Aluminium Alloy. Key Engineering Materials, 0, 796, 62-66.	0.4	5
162	Effects of isentropic efficiencies on the performance of combined cycle power plants. International Journal of Automotive and Mechanical Engineering, 2015, 12, 2914-2928.	0.5	5

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163	Machining of Nickel Alloy 242 with Cubic Boron Nitride Tools. Journal of Applied Sciences, 2010, 10, 2322-2327.	0.1	5
164	Prediction Modelling of Surface Roughness for Laser Beam Cutting on Acrylic Sheets. Advanced Materials Research, 0, 83-86, 793-800.	0.3	4
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