

Mm Rahman

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201
papers

3,028
citations

27
h-index

47
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239
ext. papers

3,496
ext. citations

2.2
avg, IF

5.9
L-index

#	Paper	IF	Citations
201	Performance and emission characteristics of biodiesel/diesel blend and environmental and economic impacts of biodiesel production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 938-948	16.2	195
200	A review on the performance of nanoparticles suspended with refrigerants and lubricating oils in refrigeration systems. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 310-323	16.2	183
199	Surface characteristics of Ti-5Al-2.5Sn in electrical discharge machining using negative polarity of electrode. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 92, 1-13	3.2	118
198	Energy conservation measures in an institutional building in sub-tropical climate in Australia. <i>Applied Energy</i> , 2010 , 87, 2994-3004	10.7	117
197	Numerical study on the conjugate effect of joule heating and magneto-hydrodynamics mixed convection in an obstructed lid-driven square cavity. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 524-534	5.8	84
196	Performance of water-based TiO ₂ nanofluid during the minimum quantity lubrication machining of aluminium alloy, AA6061-T6. <i>Journal of Cleaner Production</i> , 2016 , 135, 1623-1636	10.3	79
195	Metal Matrix Composite Brake Rotor: Historical Development and Product Life Cycle Analysis. <i>International Journal of Automotive and Mechanical Engineering</i> , 2011 , 4, 471-480	1.4	76
194	Homogeneous charge compression ignition combustion: Advantages over compression ignition combustion, challenges and solutions. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 57, 282-291	16.2	66
193	Magnetohydrodynamic natural convection in trapezoidal cavities. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1384-1394	5.8	60
192	Finite element solution of MHD mixed convection in a channel with a fully or partially heated cavity. <i>Computers and Fluids</i> , 2013 , 79, 53-64	2.8	59
191	An overview on thermal and fluid flow characteristics in a plain plate finned and un-finned tube banks heat exchanger. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 43, 363-380	16.2	55
190	The optimum performance of the combined cycle power plant: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 79, 459-474	16.2	54
189	Magnetohydrodynamic mixed convection in a horizontal channel with an open cavity. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 184-193	5.8	54
188	Environmental impacts and hazards associated with metal working fluids and recent advances in the sustainable systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 1008-1031	16.2	53
187	Advances in fatigue life modeling: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 940-948	16.2	50
186	Performance prediction of spark-ignition engine running on gasoline-hydrogen and methane-hydrogen blends. <i>Applied Energy</i> , 2015 , 158, 556-567	10.7	48
185	Conjugated effect of joule heating and magneto-hydrodynamic on double-diffusive mixed convection in a horizontal channel with an open cavity. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 3201-3213	4.9	43

184	MHD natural convection in an enclosure from two semi-circular heaters on the bottom wall. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 1844-1854	4.9	42
183	An experimental investigation on surface finish in die-sinking EDM of Ti-5Al-2.5Sn. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 77, 1727-1740	3.2	39
182	Root cause failure analysis of a division wall superheater tube of a coal-fired power station. <i>Engineering Failure Analysis</i> , 2010 , 17, 1490-1494	3.2	39
181	Gas Turbine Configuration for Improving the performance of Combined Cycle Power Plant. <i>Procedia Engineering</i> , 2011 , 15, 4216-4223		37
180	An experimental investigation on the thermophysical properties of 40% ethylene glycol based TiO ₂ -Al ₂ O ₃ hybrid nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104663	5.8	36
179	The effect of lubrication in reducing net friction in warm powder compaction process. <i>Journal of Materials Processing Technology</i> , 2008 , 207, 118-124	5.3	36
178	Hydromagnetic natural convective heat transfer flow in an isosceles triangular cavity filled with nanofluid using two-component nonhomogeneous model. <i>International Journal of Thermal Sciences</i> , 2016 , 107, 272-288	4.1	34
177	Experimental investigation of flank wear in end milling of aluminum alloy with water-based TiO ₂ nanofluid lubricant in minimum quantity lubrication technique. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 86, 2527-2537	3.2	32
176	Computational analysis of mixed convection in a channel with a cavity heated from different sides. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 78-84	5.8	28
175	Wear analysis when machining AISI 304 with ethylene glycol/TiO ₂ nanoparticle-based coolant. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 82, 327-340	3.2	27
174	Dynamics properties of a Go-kart chassis structure and its prediction improvement using model updating approach. <i>International Journal of Automotive and Mechanical Engineering</i> , 2017 , 14, 3887-3897	1.4	26
173	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. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 50, 85-97	5.8	25
172	A REVIEW ON HOMOGENEOUS CHARGE COMPRESSION IGNITION ENGINE PERFORMANCE USING BIODIESEL/DIESEL BLEND AS A FUEL. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2199-2211	1.4	25
171	Numerical study of engine parameters on combustion and performance characteristics in an n-heptane fueled HCCI engine. <i>Applied Thermal Engineering</i> , 2018 , 128, 1464-1475	5.8	24
170	Characterization of the time-averaged overall heat transfer in a direct-injection hydrogen-fueled engine. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 4816-4830	6.7	23
169	Double-diffusive buoyancy induced flow in a triangular cavity with corrugated bottom wall: Effects of geometrical parameters. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 45, 64-74	5.8	23
168	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
167	Development of temperature statistical model when machining of aerospace alloy materials. <i>Thermal Science</i> , 2014 , 18, 269-282	1.2	19

166	Study on effective parameter of the triple-pressure reheat combined cycle performance. <i>Thermal Science</i> , 2013 , 17, 497-508	1.2	19
165	TEMPERATURE ANALYSIS WHEN USING ETHYLENE-GLYCOL-BASED TIO ₂ AS A NEW COOLANT FOR MILLING. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2272-2281	1.4	19
164	Numerical and statistical analysis on unsteady magnetohydrodynamic convection in a semi-circular enclosure filled with ferrofluid. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 89, 1316-1330	4.9	18
163	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
162	Investigation on the effect of lubrication and forming parameters to the green compact generated from iron powder through warm forming route. <i>Materials & Design</i> , 2011 , 32, 447-452		18
161	Experimental Investigation into Electrical Discharge Machining of Stainless Steel 304. <i>Journal of Applied Sciences</i> , 2011 , 11, 549-554	0.3	18
160	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
159	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. <i>International Journal of Mechanical Sciences</i> , 2016 , 105, 191-205	5.5	17
158	Neural Network Modeling and Analysis for Surface Characteristics in Electrical Discharge Machining. <i>Procedia Engineering</i> , 2014 , 90, 631-636		17
157	Thermal Impact of Operating Conditions on the Performance of a Combined Cycle Gas Turbine. <i>Journal of Applied Research and Technology</i> , 2012 , 10,	1.7	17
156	A techno-economic assessment of bitumen and synthetic crude oil transport (SCO) in the Canadian oil sands industry: Oil via rail or pipeline?. <i>Energy</i> , 2017 , 124, 665-683	7.9	16
155	Thermal analysis of SUS 304 stainless steel using ethylene glycol/nanocellulose-based nanofluid coolant. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 2061-2076	3.2	16
154	Optimum Performance Improvements of the Combined Cycle Based on an Intercooler Reheated Gas Turbine. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2015 , 137,	2.6	16
153	Feasibility of thermal energy storage systems in an institutional building in subtropical climates in Australia. <i>Applied Thermal Engineering</i> , 2011 , 31, 2943-2950	5.8	16
152	Analysis of Laminar Forced Convection of Air for Crossflow over Two Staggered Flat Tubes. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012 , 6, 755-767	1.4	16
151	Fatigue Life Evaluation of Suspension Knuckle using Multibody Simulation Technique. <i>Journal of Mechanical Engineering and Sciences</i> , 2012 , 3, 291-300	2	16
150	Effects of Air-Fuel Ratio and Engine Speed on Performance of Hydrogen Fueled Port Injection Engine. <i>Journal of Applied Sciences</i> , 2009 , 9, 1128-1134	0.3	16
149	Effect of mixture strength and injection timing on combustion characteristics of a direct injection hydrogen-fueled engine. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 3793-3801	6.7	15

148	Influence of Operation Conditions and Ambient Temperature on Performance of Gas Turbine Power Plant. <i>Advanced Materials Research</i> , 2011 , 189-193, 3007-3013	0.5	15
147	Application of Multibody Simulation for Fatigue Life Estimation. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013 , 7, 912-923	1.4	15
146	Evolution of IoT-enabled connectivity and applications in automotive industry: A review. <i>Vehicular Communications</i> , 2021 , 27, 100285	5.7	15
145	Life Cycle Analysis of Bitumen Transportation to Refineries by Rail and Pipeline. <i>Environmental Science & Technology</i> , 2017 , 51, 680-691	10.3	14
144	Experimental Investigation on Heat Transfer and Pressure Drop Characteristics of Air Flow over A Staggered Flat Tube Bank in Crossflow. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013 , 7, 900-911	1.4	14
143	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
142	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
141	Prediction of Surface Roughness of Ti-6Al-4V in Electrical Discharge Machining: A Regression Model. <i>Journal of Mechanical Engineering and Sciences</i> , 2011 , 1, 16-24	2	13
140	Performance Evaluation of External Mixture Formation Strategy in Hydrogen Fueled Engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2011 , 1, 87-98	2	13
139	A review on model updating in structural dynamics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012015	0.4	12
138	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
137	UV-cured henequen fibers as polymeric matrix reinforcement: Studies of physico-mechanical and degradable properties. <i>Materials & Design</i> , 2009 , 30, 2191-2197		12
136	Powder material parameters establishment through warm forming route. <i>Materials & Design</i> , 2011 , 32, 264-271		12
135	MACHINING PERFORMANCE OF ALUMINUM ALLOY 6061-T6 ON SURFACE FINISH USING MINIMUM QUANTITY LUBRICATION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2699-2712 ¹²	1.4	12
134	Experimental investigation on properties of hybrid nanofluids (TiO ₂ and ZnO) in water-ethylene glycol mixture. <i>Journal of Mechanical Engineering and Sciences</i> , 2017 , 11, 3087-3094	2	12
133	Laminar Forced Convection Heat Transfer over Staggered Circular Tube Banks: A CFD Approach. <i>Journal of Mechanical Engineering and Sciences</i> , 2013 , 4, 418-430	2	12
132	Finite element model updating of natural fibre reinforced composite structure in structural dynamics. <i>MATEC Web of Conferences</i> , 2016 , 83, 03007	0.3	12
131	The role of a convective surface in models of the radiative heat transfer in nanofluids. <i>Nuclear Engineering and Design</i> , 2014 , 275, 382-392	1.8	11

130	Time-averaged heat transfer correlation for direct injection hydrogen fueled engine. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 19146-19157	6.7	11
129	Development of a finite element model of metal powder compaction process at elevated temperature. <i>Applied Mathematical Modelling</i> , 2009 , 33, 4031-4048	4.5	11
128	A COMPUTATIONAL FLUID DYNAMICS ANALYSIS OF SINGLE AND THREE NOZZLES MINIMUM QUANTITY LUBRICANT FLOW FOR MILLING. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 10, 1891-1900	1.4	11
127	FINITE ELEMENT-BASED FATIGUE BEHAVIOUR OF SPRINGS IN AUTOMOBILE SUSPENSION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 10, 1910-1919	1.4	11
126	Effect of Compression Ratio on the Performance of Different Strategies for the Gas Turbine. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1747-1757	1.4	11
125	Minimum Quantity Lubricant Flow Analysis in End Milling Processes: A Computational Fluid Dynamics Approach. <i>Journal of Mechanical Engineering and Sciences</i> , 2012 , 3, 340-345	2	11
124	A Numerical Study of Forced Convection Heat Transfer over a Series of Flat Tubes between Parallel Plates. <i>Journal of Mechanical Engineering and Sciences</i> , 2012 , 3, 271-280	2	11
123	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
122	Experimental Study on Heat Transfer and Friction Factor in Laminar Forced Convection over Flat Tube in Channel Flow. <i>Procedia Engineering</i> , 2015 , 105, 46-55		10
121	Flank Wear Characterization in Aluminum Alloy (6061 T6) With Nanofluid Minimum Quantity Lubrication Environment Using an Uncoated Carbide Tool. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137,	3.3	10
120	Engine performance and optimum injection timing for 4-cylinder direct injection hydrogen fueled engine. <i>Simulation Modelling Practice and Theory</i> , 2011 , 19, 734-751	3.9	10
119	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
118	Statistical analysis and optimum performance of the gas turbine power plant. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016 , 13, 3215-3215	1.4	10
117	An Experimental Study of Air Flow and Heat Transfer over in-line Flat Tube Bank. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1487-1500	1.4	10
116	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
115	An overview on synthesis, stability, opportunities and challenges of nanofluids. <i>Materials Today: Proceedings</i> , 2021 , 41, 30-37	1.4	10
114	Effective Parameters on Performance of Multipressure Combined Cycle Power Plants. <i>Advances in Mechanical Engineering</i> , 2015 , 6, 781503-781503	1.2	9
113	Parametric Simulation of Triple-Pressure Reheat Combined Cycle: A Case Study. <i>Advanced Science Letters</i> , 2012 , 13, 263-268	0.1	9

112	Multi-objective optimization on the machining parameters for bio-inspired nanocoolant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1533-1544	4.1	8
111	A Numerical Study Laminar Forced Convection of Air for In-line Bundle of Cylinders Crossflow. <i>Asian Journal of Scientific Research</i> , 2013 , 6, 217-226	0.3	8
110	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
109	A Review on Finite Element Analysis Approaches in Durability Assessment of Automotive Components. <i>Journal of Applied Sciences</i> , 2008 , 8, 2192-2201	0.3	8
108	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. <i>Cogent Physics</i> , 2016 , 3,	3.5	8
107	Simulation of mixed convection heat transfer in a horizontal channel with an open cavity containing a heated hollow cylinder. <i>Heat Transfer - Asian Research</i> , 2012 , 41, 339-353	2.8	7
106	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
105	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
104	An Integrated Model for Predicting Engine Friction Losses in Internal Combustion Engines. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1695-1708	1.4	7
103	Experimental Investigation of Minimum Quantity Lubrication on Tool Wear in Aluminum Alloy 6061-T6 using Different Cutting Tools. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1538-1549	1.4	7
102	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
101	Multiaxial fatigue life modelling using hybrid approach of critical plane and genetic algorithm. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016 , 39, 479-490	3	7
100	Performance of Klebsiella oxytoco generate electricity from POME in microbial fuel cell. <i>MATEC Web of Conferences</i> , 2016 , 38, 03004	0.3	7
99	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
98	Correlation of numerical and experimental analysis for dynamic behaviour of a body-in-white (BIW) structure. <i>MATEC Web of Conferences</i> , 2017 , 90, 01020	0.3	6
97	Effects of Joule Heating on Magnetic Field Inside a Channel Along with a Cavity. <i>Procedia Engineering</i> , 2014 , 90, 389-396		6
96	Parametric study of instantaneous heat transfer based on multidimensional model in direct-injection hydrogen-fueled engine. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12465-12480	6.7	6
95	Probabilistic Finite Element Analysis on Vertebra Lumbar Spine under Hyperextension Loading. <i>International Journal of Automotive and Mechanical Engineering</i> , 2011 , 3, 256-264	1.4	6

94	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
93	Finite Element Analysis of HASTELLOY C-22HS in End Milling. <i>Journal of Mechanical Engineering and Sciences</i> , 2011 , 1, 37-46	2	6
92	Effects of Isentropic Efficiency and Enhancing Strategies on Gas Turbine Performance. <i>Journal of Mechanical Engineering and Sciences</i> , 2013 , 4, 383-396	2	6
91	Optimal set-up and surface finish characteristics in electrical discharge machining on Ti-5Al-2.5Sn using graphite. <i>Perspectives in Science</i> , 2016 , 8, 440-443	0.8	5
90	Alloyability of warm formed FeCrAl powder compacts. <i>Materials Today Communications</i> , 2015 , 4, 42-49	2.5	5
89	A finite element analysis on combined convection and conduction in a channel with a thick walled cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014 , 24, 1888-1905	4.5	5
88	Pattern Recognition Method to Predict Recycling Strategy for Electronic Equipments. <i>Advanced Materials Research</i> , 2011 , 264-265, 949-955	0.5	5
87	Influence of surface treatments on fatigue life of a two-stroke free piston linear engine component using random loading. <i>Journal of Zhejiang University: Science A</i> , 2006 , 7, 1819-1830	2.1	5
86	Experimental measurements of orthogonal mixed convection in a partial enclosure. <i>International Journal of Heat and Mass Transfer</i> , 1990 , 33, 1307-1319	4.9	5
85	AN EXPERIMENTAL STUDY FOR PERFORMANCE AND EMISSIONS OF A SMALL FOUR-STROKE SI ENGINE FOR MODERN MOTORCYCLE. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 10, 1852-1865	1.4	5
84	ARTIFICIAL NEURAL NETWORK OPTIMIZATION MODELING ON ENGINE PERFORMANCE OF DIESEL ENGINE USING BIODIESEL FUEL. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2332-2347	1.4	5
83	Investigation of Flow Behavior in Minimum Quantity Lubrication Nozzle for End Milling Processes. <i>International Journal of Automotive and Mechanical Engineering</i> , 2012 , 6, 768-776	1.4	5
82	Wear study of Mg-SiCp reinforcement aluminium metal matrix composite. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1758-1764	2	5
81	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
80	Numerical Study on the Performance Characteristics of Hydrogen Fueled Port Injection Internal Combustion Engine. <i>American Journal of Engineering and Applied Sciences</i> , 2009 , 2, 407-415	0.4	5
79	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
78	The thermal and auto-ignition performance of a homogeneous charge compression ignition engine fuelled with diethyl ether and ethanol blends. <i>Applied Thermal Engineering</i> , 2021 , 190, 116828	5.8	5
77	Optimum Performance Enhancing Strategies of the Gas Turbine Based on the Effective Temperatures. <i>MATEC Web of Conferences</i> , 2016 , 38, 01002	0.3	5

76	Effect of Erbium Addition on the Microstructure and Mechanical Properties of Aluminium Alloy. <i>Key Engineering Materials</i> , 2019 , 796, 62-66	0.4	4
75	An Experimental Study of Heat Transfer and Friction Factor Characteristics of Finned Flat Tube Banks with In-Line Tubes Configurations. <i>Applied Mechanics and Materials</i> , 2014 , 564, 197-203	0.3	4
74	Response Surface Design Model to Predict Surface Roughness when Machining Hastelloy C-2000 using Uncoated Carbide Insert. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012022	0.4	4
73	Identification of Dynamics Modal Parameter for Car Chassis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 17, 012038	0.4	4
72	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
71	Numerical simulation and animation of oscillating turbulent flow in a counterbalance valve 1997 ,		4
70	ANALYSIS OF COMPRESSED NATURAL GAS BURN RATE AND FLAME PROPAGATION ON A SUB-COMPACT VEHICLE ENGINE. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2405-2416	1.4	4
69	EXPERIMENTAL STUDY ON MINIMUM QUANTITY LUBRICATION IN END MILLING OF AA6061-T6 USING TiAlN COATED CARBIDE TOOLS. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2771-2785	1.4	4
68	Artificial Neural Network Modeling of Grinding of Ductile Cast Iron using Water Based SiO ₂ Nanocoolant. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1649-1661	1.4	4
67	Cutting force and chip formation in end milling operation when machining nickelbased superalloy, Hastelloy C-2000. <i>Journal of Mechanical Engineering and Sciences</i> , 2017 , 14, 2539-2551	2	4
66	Fatigue Life Assessment for Metallic Structure: A Case Study of Shell Structure under Variable Amplitude Loading. <i>Journal of Applied Sciences</i> , 2008 , 8, 1622-1631	0.3	4
65	Air Fuel Ratio on Engine Performance and Instantaneous Behavior of Crank Angle for Four Cylinder Direct Injection Hydrogen Fueled Engine. <i>Journal of Applied Sciences</i> , 2009 , 9, 2877-2886	0.3	4
64	Effects of forming parameters and sintering schedules to the mechanical properties and microstructures of final components. <i>Materials & Design</i> , 2012 , 33, 153-157		3
63	Numerical Study on the Combustion and Performance Characteristics of a HCCI Engine Resulting from the Autoignition of Gasoline Surrogate Fuel. <i>Journal of Energy Engineering - ASCE</i> , 2017 , 143, 04017049	1.7	3
62	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
61	Performance of carbide cutting tools when machining of nickel based alloy. <i>International Journal of Material Forming</i> , 2010 , 3, 475-478	2	3
60	Development of a thermal management solution for a ruggedized Pentium based notebook computer		3
59	Investigation of Machined Surface in End-Milling Operation of Hastelloy C-2000 Using Uncoated-Carbide Insert. <i>Advanced Science Letters</i> , 2012 , 13, 300-305	0.1	3

58	NEURAL NETWORK MODELING OF GRINDING PARAMETERS OF DUCTILE CAST IRON USING MINIMUM QUANTITY LUBRICATION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2608-2621	1.4	3
57	Effects of sintering schedule on the characteristics of Fe-based powder compacts formed through warm compaction route. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016 , 13, 3168-3177	1.4	3
56	Production of biogas from anaerobic digestion of poultry droppings and domestic waste using catalytic effect of silica gel. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016 , 13, 3503-3517	1.4	3
55	Fatigue Life Estimation Models: A State of the Art. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1599-1608	1.4	3
54	Experimental Study on Surface Integrity in End Milling of Hastelloy C-2000 Superalloy. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014 , 9, 1578-1587	1.4	3
53	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
52	Machining of Nickel Alloy 242 with Cubic Boron Nitride Tools. <i>Journal of Applied Sciences</i> , 2010 , 10, 2322-2327	0.3	3
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