

Mm Rahman

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

201
papers

3,028
citations

27
h-index

47
g-index

239
ext. papers

3,496
ext. citations

2.2
avg, IF

5.9
L-index

#	Paper	IF	Citations
201	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
200	Evolution of IoT-enabled connectivity and applications in automotive industry: A review. <i>Vehicular Communications</i> , 2021 , 27, 100285	5.7	15
199	An overview on synthesis, stability, opportunities and challenges of nanofluids. <i>Materials Today: Proceedings</i> , 2021 , 41, 30-37	1.4	10
198	A Framework of IoT-Enabled Vehicular Noise Intensity Monitoring System for Smart City. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 194-205	0.4	1
197	Interaction Effect of Machining Parameters on Material Removal Rate in the Machining of AA6061-T6 Using Minimum Quantity Lubrication Conditions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 831, 012002	0.4	1
196	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
195	Analysis Of Alumina Particles Size And Shape Formation From Developed Planetary Ball Mill. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 736, 052032	0.4	
194	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
193	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
192	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
191	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
190	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
189	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
188	Advances in fatigue life modeling: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 940-948	6.2	50
187	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
186	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
185	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

184	Optimization on Wear Performance of Anti Wear Additive Added Biolubricant. <i>Advanced Structured Materials</i> , 2018 , 1-9	0.6	2
183	Optimization of Coolant Technique Conditions for Machining A319 Aluminium Alloy Using Response Surface Method (RSM). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 319, 012039	0.4	1
182	Methods of preparing internal combustion engine cylinder bore surfaces for frictional improvement. <i>MATEC Web of Conferences</i> , 2017 , 90, 01055	0.3	
181	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
180	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
179	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
178	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
177	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
176	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
175	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
174	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
173	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
172	Life Cycle Analysis of Bitumen Transportation to Refineries by Rail and Pipeline. <i>Environmental Science & Technology</i> , 2017 , 51, 680-691	10.3	14
171	Surface finish characteristics of titanium alloy in a non conventional technique. <i>Materials Today: Proceedings</i> , 2017 , 4, 9352-9355	1.4	2
170	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
169	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
168	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
167	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

166	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
165	Effect of the Length on the Tensile Deformation of Nickel Nanowires Using Molecular Dynamics Simulations. <i>Advanced Science Letters</i> , 2017 , 23, 11549-11552	0.1	
164	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
163	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
162	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
161	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
160	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
159	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
158	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
157	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
156	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
155	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
154	Effects of cycle peak temperature ratio on the performance of combined cycle power plant. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016 , 13, 3389-3400	1.4	2
153	Wear study of Mg-SiCp reinforcement aluminium metal matrix composite. <i>Journal of Mechanical Engineering and Sciences</i> , 2016 , 10, 1758-1764	2	5
152	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
151	Parametric optimization of end milling process under minimum quantity lubrication with nanofluid as cutting medium using pareto optimality approach. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016 , 13, 3345-3360	1.4	3
150	Effect of Coolant Nozzle Sizes on Turning Aluminum Alloy AL319. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	2
149	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

148	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
147	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
146	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
145	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
144	Measurement Accuracy Investigation of Touch Trigger Probe with Five-Axis Machine Tools. <i>Archive of Mechanical Engineering</i> , 2016 , 63, 495-510		1
143	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
142	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
141	Performance of <i>Klebsiella oxytoca</i> generate electricity from POME in microbial fuel cell. <i>MATEC Web of Conferences</i> , 2016 , 38, 03004	0.3	7
140	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
139	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
138	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
137	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
136	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
135	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
134	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
133	Alloyability of warm formed FeCrAl powder compacts. <i>Materials Today Communications</i> , 2015 , 4, 42-49	2.5	5
132	A review on model updating in structural dynamics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 100, 012015	0.4	12
131	Effective Parameters on Performance of Multipressure Combined Cycle Power Plants. <i>Advances in Mechanical Engineering</i> , 2015 , 6, 781503-781503	1.2	9

130	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
129	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
128	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
127	EFFECT OF INJECTION HOLE DIAMETER ON OPERATIONAL CONDITIONS OF COMMON-RAIL FUEL-INJECTION SYSTEM FOR PORT-INJECTION HYDROGEN-FUELED ENGINE. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2383-2395	1.4	2
126	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
125	MATERIAL REMOVAL RATE AND SURFACE ROUGHNESS ON GRINDING OF DUCTILE CAST IRON USING MINIMUM QUANTITY LUBRICATION. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 11, 2471-283	1.4	2
124	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
123	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
122	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	1.4	12
121	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
120	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
119	Effects of isentropic efficiencies on the performance of combined cycle power plants. <i>International Journal of Automotive and Mechanical Engineering</i> , 2015 , 12, 2914-2928	1.4	2
118	Irrigant Flow in Micro-Computed Tomography Scanned Root Canals Using Computational Fluid Dynamics Model. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2015 , 15, 192-197	0.5	
117	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
116	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
115	Low head hydro power generation using road side canal water potential in Bangladesh 2014 ,		2
114	Effects of Joule Heating on Magnetic Field Inside a Channel Along with a Cavity. <i>Procedia Engineering</i> , 2014 , 90, 389-396		6
113	Neural Network Modeling and Analysis for Surface Characteristics in Electrical Discharge Machining. <i>Procedia Engineering</i> , 2014 , 90, 631-636		17

112	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
111	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
110	Thermophoretic Deposition Effect on Transient Free Convection Hydromagnetic Flow Along an Accelerated Inclined Permeable Surface with Time-Dependent Temperature and Concentration. <i>Heat Transfer - Asian Research</i> , 2014 , 43, 352-367	2.8	
109	Development of temperature statistical model when machining of aerospace alloy materials. <i>Thermal Science</i> , 2014 , 18, 269-282	1.2	19
108	The Effect of Various Diameters Orifice Nozzle Coolant on Surface Roughness Performance in CNC Turning. <i>Advanced Materials Research</i> , 2014 , 903, 169-174	0.5	
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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

94	Performance Evaluation of Hydraulic Field Test Rig. <i>Procedia Engineering</i> , 2013 , 68, 613-618		2
93	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
92	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
91	Study on effective parameter of the triple-pressure reheat combined cycle performance. <i>Thermal Science</i> , 2013 , 17, 497-508	1.2	19
90	Fatigue Life Prediction Using Simplified Endurance Function Model. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 581754	1.2	2
89	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
88	Application of Multibody Simulation for Fatigue Life Estimation. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013 , 7, 912-923	1.4	15
87	Modeling of the End Milling Process for Aluminum Alloy AA6061t6 using HSS Tool. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013 , 8, 1140-1150	1.4	2
86	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
85	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
84	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
83	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
82	Study on Dynamic Behaviour of Wishbone Suspension System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012019	0.4	
81	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
80	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	9.4	4
79	Magneto hydrodynamic natural convection in trapezoidal cavities. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1384-1394	5.8	60
78	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
77	Application of Natural Gas for Internal Combustion Engines 2012 ,		1

76	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
75	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
74	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
73	Effects of heat input on mechanical properties of metal inert gas welded 1.6 mm thick galvanized steel sheet. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012011	0.4	
72	RSM model to evaluate material removal rate in EDM of Ti-5Al-2.5Sn using graphite electrode. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012016	0.4	1
71	Parametric study of a two-shaft gas turbine cycle model of power plant. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012024	0.4	2
70	Efficient Finite Element and Differential Quadrature Methods for Heat Distribution in One-Dimensional Insulated-Tip Rectangular Fin. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012039	0.4	
69	Cycle Engine Modelling Of Spark Ignition Engine Processes during Wide-Open Throttle (WOT) Engine Operation Running By Gasoline Fuel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 36, 012041	0.4	
68	Multidimensional Computational Modeling of Direct Injection for Hydrogen Fueled Engine. <i>Advanced Science Letters</i> , 2012 , 13, 317-321	0.1	2
67	Parametric Simulation of Triple-Pressure Reheat Combined Cycle: A Case Study. <i>Advanced Science Letters</i> , 2012 , 13, 263-268	0.1	9
66	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
65	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
64	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
63	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
62	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
61	Fatigue Life Evaluation of Suspension Knuckle using Multibody Simulation Technique. <i>Journal of Mechanical Engineering and Sciences</i> , 2012 , 3, 291-300	2	16
60	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
59	Gas Turbine Configuration for Improving the performance of Combined Cycle Power Plant. <i>Procedia Engineering</i> , 2011 , 15, 4216-4223		37

58	Identification of Dynamics Modal Parameter for Car Chassis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 17, 012038	0.4	4
57	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
56	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
55	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
54	Powder material parameters establishment through warm forming route. <i>Materials & Design</i> , 2011 , 32, 264-271		12
53	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
52	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
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