

3.4.5 – Number of research Publications in the Journals notified on UGC website during the year 2020

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	An Electro-Active Polymers & Its Applications: A Review	Singh P. K	Department of Mechanical Engineering	International Journal of Advanced Science and Technology Vol. 29, No. 7	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/22107
2	Productivity Enhancement in Wire Rope Industry by Implementing TPM	Singh P. K	Department of Mechanical Engineering	International Journal of Advanced Science and Technology Vol. 29, No. 7	2020	2207-6360	http://sersc.org/journals/index.php/ijast
3	Design and Simulation Analysis of gas turbine blade with variation in blade angle	A. Sharma, Dwivedi V. K., Islam, A., Sharma, N.	Department of Mechanical Engineering	TEST Engineering & Management, Vol. 83	2020	0193-4120	https://testmagzine.biz/index.php/testmagzine/article/view/9439
4	Wire Electric Discharge Machining Parametric Optimization with various techniques : Review	Sharma V.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/22135
5	Identification & Evaluation of Key Components in Vendor Managed Inventory (VMI) for Automobile Industry Using ANOVA	Upadhyay V. V	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/22137
6	Responsive Supply Chain Management in Healthcare Industry: An Overview	Srivastava S	Department of Mechanical Engineering	Test Engineering & Management, Volume 83	2020	0193-4120	https://www.gjeis.com/index.php/GJEIS/article/view/448

7	Identification of Enablers And Inhibitors of Supply Chain Management In Indian Hospital	Srivastava S	Department of Mechanical Engineering	International Journal of Advanced Science and Technology (IJAST), Vol. 29	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/22035
8	An Overview of RFID Adoption in Indian Healthcare Sector	Srivastava S	Department of Mechanical Engineering	International Journal of Advanced Science and Technology (IJAST) Vol. 29	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/20928
9	Optimization of backorders at the warehouse node of single-node single product (SNSP) supply chain, running under Model Predictive Controller framework	Sharma R., Singhal P.	Department of Mechanical Engineering	International Journal of Advanced Science & Technology	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/22028
10	Designing, Modelling And 3-D Printing of Cotter Joint	Sharma R.	Department of Mechanical Engineering	TEST Engineering & Management	2020	0193-4120	https://www.testmagzine.biz/index.php/testmagzine/article/view/8866
11	Development of shape functions and stiffness for higher-order cubic elements to enhance the accuracy in FEM based industrial designs	Sharma R	Department of Mechanical Engineering	International Journal of Advanced Science & Technology	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/23121
12	Effect of Turbulence over a Submerged Cylinder of Aluminium Alloy 7075	Rawat M.K.	Department of Mechanical Engineering	International Journal of Advance Science and Technology Vol. 29	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/24305
13	Performance Analysis of high temperature sodium Heat Pipe: A Review	Rawat M.K., Kukreja N., Gupta N.K	Department of Mechanical Engineering	Test Engineering and Management. Volume 83	2020		https://testmagzine.biz/index.php/testmagzine/article/view/10206
14	Ergonomic Design Of Porter's Load Bearing Device Using Digital Human Modelling'	Sharma H.K	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/22024

15	Microstructure and mechanical behaviour of hot rolled V- Microalloy Steel'	Sharma H.K., Singh A.P.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/22087
16	Novel Approaches For Application To Identify Basic Ergonomic Considerations in Workplace Environment: A Review	Sharma H.K.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/22087
17	Productivity Improvement in Heavy Parabolic Leaf Spring Manufacturing Unit in India by Minimizing the Rejection	Pradeep Kumar Singh, Harish Kumar Sharma, Pankaj Kumar Singh	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	https://www.interscience.in/ijame/vol2/iss1/14/
18	Heat Transfer Enhancement and Friction Characteristics of Sah Equilateral Triangular Duct using Coarseness	Bharadwaj G	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/23084
19	Lead Time Reduction in Pipe Manufacturing: An Application of Value Stream maps and 5 S	Srivastava S., Sharma D.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 7	2020	ISSN(P): 2249-6890; ISSN(E): 2249-8001	http://sersc.org/journals/index.php/ijast
20	Assessment of Sustainable Manufacturing Enablers in Indian SMEs	Sharma D.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 10S	2020	2005- 4238.	http://sersc.org/journals/index.php/IJAST/article/view/22072/11002

21	Influence and Optimization of EDM Process Parameters on MRR and TWR for Titanium Alloy [Ti6Al4v] Using Taguchi and Topsis Method- An Exploratory Analysis	Sharma A.K	Department of Mechanical Engineering	International Journal of Advance Science and Technology, Vol. 29, No. 10S	2020	2207-6360	https://www.sciencedirect.com/topics/engineering/low-alloy-steel
22	Micro-structural and cooling rate Characteristics HSLA steel' International Journal of Advanced Science and Technology	Bhardwaj G., Sharma A.K., and Singh A. P	Department of Mechanical Engineering	International Journal of Advance Science and Technology, Vol. 29, No. 10S	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/20827
23	Effect of Welding Current in Shielded Metal Arc Welding Process using Different Electrodes	Yadav, I.J. and Singh, R. P.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology, Vol. 29, No 8	2020	2207-6360	http://serisc.org/journals/index.php/IJAST/article/view/26225
24	Study the Influence of Process Parameters on Mechanical Properties of Mild Steel Plates Joined by Manual Metal Arc Welding	Pathak, D., Singh, R.P., Gaur, S. and Balu, V.,	Department of Mechanical Engineering	Test Engineering and Management, Vol. 83	2020	0193-4120	http://serisc.org/journals/index.php/ijast
25	Effect of Welding Current and Electrodes on Depth of Penetration in Shielded Metal Arc Welding Process	Singh, R.P	Department of Mechanical Engineering	Test Engineering and Management, Vol. 83	2020	0193-4120	https://testmagzine.biz/index.php/testmagzine
26	Variation of Tensile Strength of Welds with Welding Current for Different Electrodes in Shielded Metal Arc Welding Process	Singh, R.P., Soni, N. K., Singh, V. K., Pandit, B. K. and Rawat, D	Department of Mechanical Engineering	Test Engineering and Management, Vol. 83	2020	0193-4120	https://testmagzine.biz/index.php/testmagzine
27	Effect of Welding Current and Electrodes on Impact Strength of Weld in Shielded Metal Arc welding Process	Raghubanshi, D. and Singh, R.P	Department of Mechanical Engineering	Test Engineering and Management, Vol. 83	2020	0193-4120	https://www.sciencedirect.com/science/article/pii/S2214914715000434

28	Revisiting of Frugal Manufacturing System	Agrawal M. K.	Department of Mechanical Engineering	International Journal of Advance Science and Technology (IJAST)	2020	2207-6360	http://sersec.org/journals/index.php/IJAST/article/view/23059/11840
29	Hybridization Electric Discharge Machining: A review	Agrawal M. K., Sonia P	Department of Mechanical Engineering	International Journal of Advance Science and Technology (IJAST) Vol. 29, No. 10S	2020	2207-6360	http://sersec.org/journals/index.php/IJAST/article/view/23058/11839
30	Conceptualization of Green Technology: “An approach to Enrichment of Environment & Industrialization	Agrawal M.K	Department of Mechanical Engineering	International Journal of Advance Science and Technology (IJAST) Vol. 29, No. 10S	2020	2207-6360	http://sersec.org/journals/index.php/IJAST/article/view/20794
31	Utilization of Domestic Waste: A Lean Production Approach	Agrawal M. K.	Department of Mechanical Engineering	an International Journal of Advance Science and Technology (IJAST) Vol. 29, No. 10S	2020	2207-6360	http://sersec.org/journals/index.php/IJAST/article/view/20720
32	Evaluation of EDM Characteristic of Duplex Stainless Steel (DSS) using Taguchi Method	Singh B.	Department of Mechanical Engineering	International Journal of Advanced Science and Technology, Vol. 29 No. 7	2020	2207-6360	http://sersec.org/journals/index.php/IJAST/article/view/22067
33	Carbon nanotube-and graphene-reinforced multiphase polymeric composites: review on their properties and applications	Kumar A., Sharma K., Dixit A.R	Department of Mechanical Engineering	Journal of Materials Science	2020	2233-4998	https://link.springer.com/article/10.1007/s10853-019-04196-y
34	Parametric Appraisal Of Aisi D2 Steel Using Fuzzy Topsisintegrated Taguchi Approach	Soni Kumari	Department of Mechanical Engineering	International Journal of Mechanical and ProductionEngineering Research and Development (IJMPERD)	2020	ISSN(P): 2249-6890; ISSN(E): 2249-8001	https://www.researchgate.net/publication/325731757_Optimisation_of_Machining_Parameters_using_Grey_Relation_Analysis_integrated_with_Harmony_Search_for_Turning_of_AISI_D2_Steel

35	Mathematical Modeling For Stress Analysis Of An Infinite Plate with Single Hole	Soni Kumari	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2020	ISSN(P): 2249-6890; ISSN(E): 2249-8001	https://www.sciencedirect.com/science/article/pii/S2214785317302778
36	Multi-Attributes Optimization of Machining Characteristics during Turning of AISI D2 Steel using Utility-Fuzzy Logic-based Hybrid Approach	Soni Kumari	Department of Mechanical Engineering	International Journal of Advanced Science and Technology	2020	2207-6360	http://sersec.org/journals/index.php/IJAST/article/view/22141
37	Application of Productivity Indices : A Comprehensive Case Study	Kumar S.	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2020	ISSN (P) : 2249-6890; ISSN(E): 2249-8001	http://www.tjprc.org/journals/journal-of-mechanical-engineering
38	Optimization Of Response Parameter Of Micro Electro-Discharge- Machining Under influence Of Cu Nano Powder Fortmcs (Titanium Matrix Composite)	Mausam K.	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10	2020	ISSN (P) : 2249-6890; ISSN(E): 2249-8001	https://journals.sagepub.com/doi/abs/10.1177/0954405416634265
39	A Knowledge based Programme for Decision Support in Steel Manufacturing Industries	Sharma D.	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD),	2020	2005- 4238.	http://sersec.org/journals/index.php/IJAST/article/view/22023

40	Optimizing Machining Parameters Of Edm For Titanium Alloy [Ti 6Al-4v Eli] By Taguchi Method And Promethee Method- An Exploratory Investigation”	Sharma A.K., Bhardwaj G	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 2	2020	ISSN (P): 2249–6890; ISSN (E): 2249–8001	http://www.tjprc.org/publishpapers/2-67-1585117813-abs72IJMPERDAPR202072.pdf
41	‘Construction and Performance Analysis of a New Natural Convection Solar Dryer for Drying of Tomatoes and Green Chilies	Sharma A.K	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Special Issue	2020	2249–6890	https://www.sciencedirect.com/science/article/pii/S0301479720306629
42	Performance Comparison of Innovative Spiral Shaped Solar Collector Design with Conventional Flat Plate Solar Collector”	Verma S. K., Sharma K., Gupta N.K., Verma P., Upadhyay N.	Department of Mechanical Engineering	Energy	2020	1956574	https://www.sciencedirect.com/science/article/abs/pii/S0360544219325484
43	Effects of CuO/H ₂ O nanofluids on thermal performance of Wick Heat pipe Using Water	Gupta N.K., Verma S.K., Rathore P.K. S., Sharma A.	Department of Mechanical Engineering	Heat Transfer Research, Begell House,51(9):837-850	2020	ISSN1064-2285	http://www.dl.begellhouse.com/journals/46784ef93dddff27,2f9a2e9537eeacbb,5a2ade4969ecb40b.html
44	Effect of Magnetic Field on Depth of Penetration and Tensile Strength of Shielded Metal arc Welded Joints Materials	Singh, R.P.	Department of Mechanical Engineering	IJMPERD	2020	2249–6890	https://issuu.com/grdjournals/docs/grdjev04i100007
45	Effect of Welding Voltage the Dimensions of Bead in Tungsten Inert Gas Welding Process	Yadav, I.J. and Singh, R. P.	Department of Mechanical Engineering	International Journal of Creative Research thoughts (IJCRT)	2020	2320-2882	https://www.researchgate.net/publication/313598403_A_Review_on_Effects_of_GTAW_Process_Parameters_on_weld

46	Jit Manufacturing System: Some Requirements For Implementation And Pay Off	Agrawal M. K.	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2020	2249–6890	https://www.emerald.com/insight/content/doi/10.1108/eb054721/full/html
47	Comparative study of the application of Forge micro-alloy and As-Cast microalloy steel in automotive application	Agrawal M. K., Singh A.P	Department of Mechanical Engineering	International Journal of Advance Science and Technology (IJAST) Vol. 29, No. 10S	2020	2207-6360	http://sersc.org/journals/index.php/IJAST/article/view/20884/10541
48	Surface mechano-chemical case carburising treatment (SMCT) of Ni-Cr-Mo steel: a post annealing and differential scanning calorimetric (DSC) analysis	Sahu J.N., Kumar S.C., Saxena K.K	Department of Mechanical Engineering	Journal Advances in Materials and Processing Technologies, Volume 6	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.researchgate.net/publication/339312537_Surface_mechano-chemical_case_carburising_treatment_SMCT_of_Ni-Cr-Mo_steel_a_post-annealing_and_differential_scanning_calorimetric_DSC_analysis
49	Microstructural evolution and mechanical properties of 316L stainless steel using multiaxial Forging	Rajput S.K., Kumar J., Mehta Y.	Department of Mechanical Engineering	Journal Advances in Materials and Processing Technologies, Volume 6	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1728641?journalCode=tmpt20
50	Modelling and simulation for fabrication of 3D printed polymeric porous tissue scaffolds	Sahai N., Saxena K.K., Gogoi M.	Department of Mechanical Engineering	Journal Advances in Materials and Processing Technologies, Volume 6	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1728643
51	Manufacturing techniques for metal matrix composites (MMC): an overview	Singh L., Singh B., Saxena K.K	Department of Mechanical Engineering	Journal Advances in Materials and Processing Technologies, Volume 6	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1729603?journalCode=tmpt20
52	Effect of transverse speed on mechanical and microstructural properties of friction stir welded aluminium AA2024-T351	Singh B., Singhal P., Saxena K.K	Department of Mechanical Engineering	Journal Advances in Materials and Processing Technologies, Volume 6	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1728642

53	Metallic implants with properties and latest production techniques: a review	Pandey A., Awasthi A., Saxena K.K	Department of Mechanical Engineering	Journal Advances in Materials and Processing Technologies, Volume 6	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1731236
54	Effect of friction stir process parameters on tensile strength of eggshell and SiC-reinforced aluminium-based composite	Islam A., Dwivedi S.P., Dwivedi V.K.	Department of Mechanical Engineering	World Journal of Engineering	2020	1708-5284	https://www.emerald.com/insight/content/doi/10.1108/WJE-08-2020-0387/full/html?skipTracking=true
55	An intelligent modelling of combined cooling, heating and power systems using improved artificial bee colony optimization algorithm	Singh R.P.	Department of Mechanical Engineering	Journal of Green Engineering	2020	1904-4720	http://www.jgenng.com/volume10-issue11-2.php
56	Effect of barium sulphate (Baso4) nano crystals on their composites:Synthesis and characterization	Singh P.K.	Department of Mechanical Engineering	Journal of Green Engineering	2020	ISSN: 2245-4586 (Online)	http://www.jgenng.com/volume10-issue11-2.php
57	Fabrication and property evaluation of banana fiber polymer composite based on epoxy	Upadhyay V.V.	Department of Mechanical Engineering	Journal of Green Engineering	2020	ISSN: 2245-4586 (Online)	http://www.jgenng.com/volume10-issue11-2.php
58	An energy efficient mixed integer linear programming based enhanced harmony search optimization approach for combined heat and power systems	Singhal P.	Department of Mechanical Engineering	Journal of Green Engineering	2020	ISSN: 2245-4586 (Online)	http://www.jgenng.com/volume10-issue11-2.php
59	Role of graphene in biosensor and protective textile against viruses	Kumar A., Sharma K., Dixit A.R.	Department of Mechanical Engineering	Medical Hypotheses	2020	0306-9877 (print); 1532-2777 (web)	https://www.sciencedirect.com/science/article/abs/pii/S0306987720323100
60	Application of hydride process in achieving equimolar tinbzhfta bcc refractory high entropy alloy	Sharma B., Nagano K., Saxena K.K., Fujiwara H., Ameiyama K.	Department of Mechanical Engineering	Crystals	2020	ISSN 2073-4352	https://www.mdpi.com/2073-4352/10/11/1020

61	Thermal performance optimization of heat pipe using nanofluid: response surface methodology	Gupta N.K., Sharma A., Rathore P.K.S., Verma S.K.	Department of Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2020	1678-5878	https://link.springer.com/article/10.1007/s40430-020-02668-w#:~:text=In%20the%20present%20work%2C%20response,depends%20upon%20the%20nanofluid%20concentration.
62	Investigation of tribological properties of aluminum oxide reinforced aluminum alloy composites	Islam A., Sharma A., Chaturvedi R.	Department of Mechanical Engineering	Journal of Green Engineering	2020	ISSN: 2245-4586 (Online)	http://www.jgenng.com/
63	Virtual metallurgy: Alloy formation and prediction of their properties through artificial neural network	Singh P.K.	Department of Mechanical Engineering	SSRG International Journal of Engineering Trends and Technology	2020	ISSN: 2245-4586 (Online)	http://www.jgenng.com/
64	A comprehensive analysis on advances in application of solar collectors considering design, process and working fluid parameters for solar to thermal conversion	Verma S.K., Gupta N.K., Rakshit D.	Department of Mechanical Engineering	Solar Energy	2020	0038-092X ISSN	https://www.sciencedirect.com/science/article/abs/pii/S0038092X20308835
65	Performance analysis of intake manifold for injection systems of CNG engine	Sharma A., Islam A., Singh P.K.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1762.html
66	Presentation study of four stroke single cylinder CI engine by means of karanja biodiesel-diesel blends	Singh R.P., Sharma V.K., Chaturvedi R.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1667.htm
67	Influence on ti-AIN nano-coated drill bit on machinery parameters and quality of hole in dry drilling of CFRP	Chaturvedi R., Sharma A., Singh P.K.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1761.html
68	Robotic service intelligent applications for mapping and moving object detection based on multi-sensor fusion	Kukreja N., Singhal P.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1660.html
69	Automatic mobile patrolling robot for continuous monitoring using DVR algorithm	Sharma K., Sharma A., Chaturvedi R., Islam A.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://www.researchgate.net/publication/349668684_Automat ic_Mobile_Patrolling_Robot_for_Continuous_Monitoring_using_DVR_Algorithm

70	Anticipated investigation of a cylindrical robot ARM by means of compound materials	Chaturvedi R., Islam A., Sharma K.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://www.researchgate.net/publication/349762527_Anticipated_Investigation_of_a_Cylindrical_Robot_ARM_by_Means_of_Compound_Materials
71	Instant and non-linear analysis about toughen solid frames	Kukreja N., Singhal P., Sharma A.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1664.html
72	HSE evaluation and development in explosion blast procedure	Singh P.K., Sharma V.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1662.html
73	Rising the liberated compressive strength in cement for black cotton soil using shredder rubber	Singhal P., Agrawal M.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://iopscience.iop.org/article/10.1088/1757-899X/988/1/012075/meta
74	Decrease in optimum moisture content using EDT and OMC composite mixture techniques	Singh P.K., Sharma K., Islam A.	Department of Mechanical Engineering	European Journal of Molecular and Clinical Medicine	2020	2515-8260	https://ejmcm.com/article_1666.html
75	Yearly analysis of peak temperature, thermal amplitude, time lag and decrement factor of a building envelope in tropical climate	Rathore P.K.S., Shukla S.K., Gupta N.K.	Department of Mechanical Engineering	Journal of Building Engineering	2020	ISSN: 2352-7102	https://www.sciencedirect.com/science/article/abs/pii/S2352710220305246
76	Synthesis and characterization of the paraffin/expanded perlite loaded with graphene nanoparticles as a thermal energy storage material in buildings	Rathore P.K.S., Shukla S.K., Gupta N.K.	Department of Mechanical Engineering	Journal of Solar Energy Engineering, Transactions of the ASME	2020	ISSN: 0199-623	https://asmedigitalcollection.asme.org/solarenergyengineering/article-abstract/142/4/041006/1073679/Synthesis-and-Characterization-of-the-Paraffin?redirectedFrom=fulltext
77	Optimizing machining parameters of edm for titanium alloy [ti 6al-4v eli] by taguchi method and promethee method- an exploratory investigation	Kumar Sharma A., Bhardwaja G.	Department of Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2020	2249-6890	http://www.tjprc.org/publishpapers/2-67-1585117813-abs72IJMPERDAPR202072.pdf
78	Physical, mechanical and thermal behaviour of high entropy materials	Sharma P., Dwivedi S.P., Dwivedi V.K.	Department of Mechanical Engineering	Annales de Chimie: Science des Materiaux	2020	1958-5934	https://www.researchgate.net/publication/342006262_Physical_Mechanical_and_Thermal_Behaviour_of_High_Entropy_Materials

79	Potential of microencapsulated PCM for energy savings in buildings: A critical review	Singh Rathore P.K., Shukla S.K., Gupta N.K.	Department of Mechanical Engineering	Sustainable Cities and Society	2020	22106707	https://www.sciencedirect.com/science/article/abs/pii/S2210670719314477
80	Heat Exchange and Pressure Drop Enhancement Technique with Numerous Inserts in a Circular Tube Using ANSYS	Gupta M., Sharma K., Mausam K.	Department of Mechanical Engineering	Smart Innovation, Systems and Technologies	2020		2190-3018
81	Performance analysis on biplane structure at different mach numbers	Kukreja N., Gupta S.K., Rawat M.K.	Department of Mechanical Engineering	International Journal of Scientific and Technology Research	2020	2277-8616	https://www.researchgate.net/publication/338653797_Performance_Analysis_On_Biplane_Structure_At_Different_Mach_Numbers
82	A multi-experiment approach to ascertain electromagnetic precursors of Nepal earthquakes	Sharma S., Singh R.P., Pundhir D., Singh B.	Department of Mechanical Engineering	Journal of Atmospheric and Solar-Terrestrial Physics	2020	1364-6826	https://www.sciencedirect.com/science/article/abs/pii/S1364682619304316
83	Experimental investigation and optimization of RMDTM welding parameters for ASTM A387 grade 11 steel	Bandhu D., Kumari S., Prajapati V., Saxena K.K., Abhishek K.	Department of Mechanical Engineering	Materials and Manufacturing Processes	2020	1042-6914	https://www.tandfonline.com/doi/abs/10.1080/10426914.2020.1854472?journalCode=lmmp20
84	Deformation analysis of Al Alloy AA2024 through equal channel angular pressing for aircraft structures	Agarwal K.M., Tyagi R.K., Saxena K.K.	Department of Mechanical Engineering	Advances in Materials and Processing Technologies	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1834756
85	Effect of heat treatment process on microstructure and mechanical behaviour of Al/MgO composite material	Dwivedi V.K., Dwivedi S.P., Yadav R.	Department of Mechanical Engineering	Advances in Materials and Processing Technologies	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2020.1829955?journalCode=tmpt20
86	Influence of Severe Metal Forming Processes on Microstructure and Mechanical Properties of Mg alloys	Sonia P., Jain J.K., Saxena K.K.	Department of Mechanical Engineering	Advances in Materials and Processing Technologies	2020	Print ISSN: 2374-068X Online ISSN: 2374-0698	https://www.researchgate.net/publication/345936098_Influence_of_Severe_Metal_Forming_Processes_on_Microstructure_and_Mechanical_Properties_of_Mg_alloys

87	Zr–Nb Alloys and Its Hot Deformation Analysis Approaches	Saxena K.K., Pancholi V.	Department of Mechanical Engineering	Metals and Materials International	2020	1598-9623	https://www.researchgate.net/publication/343216053_Zr-Nb_Alloys_and_Its_Hot_Deformation_Analysis_Approaches
88	Synthesis and characterization of ball-milled eggshell and Al ₂ O ₃ reinforced hybrid green composite material	Kumar S., Dwivedi S.P., Dwivedi V.K.	Department of Mechanical Engineering	Journal of Metals, Materials and Minerals	2020	8576149	https://www.semanticscholar.org/paper/Synthesis-and-characterization-of-ball-milled-and-2-Kumar-Dwivedi/ec38379cb4a536a2165d2d1eb70b4798d04ec21b
89	A review on the mechanical properties of polymer composites reinforced by carbon nanotubes and graphene	Kumar A., Sharma K., Dixit A.R.	Department of Mechanical Engineering	Carbon Letters	2020		1976–4251
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