

**SRM Institute of Science and Technology**  
**Faculty of Engineering and Technology, Kattankulathur – 603203**  
**Department of Mechanical Engineering**

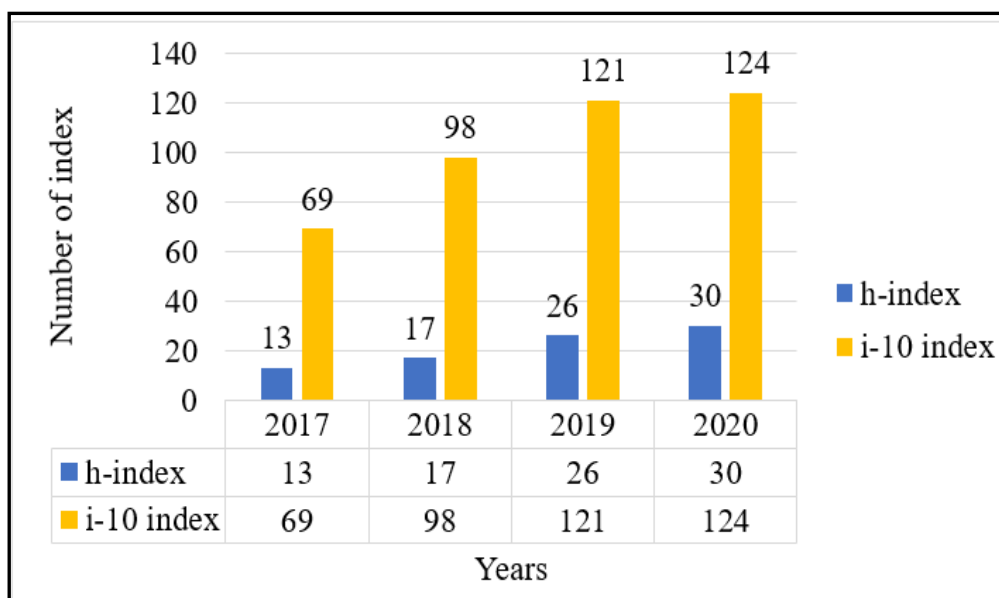
**List of faculty Research Papers with online link**

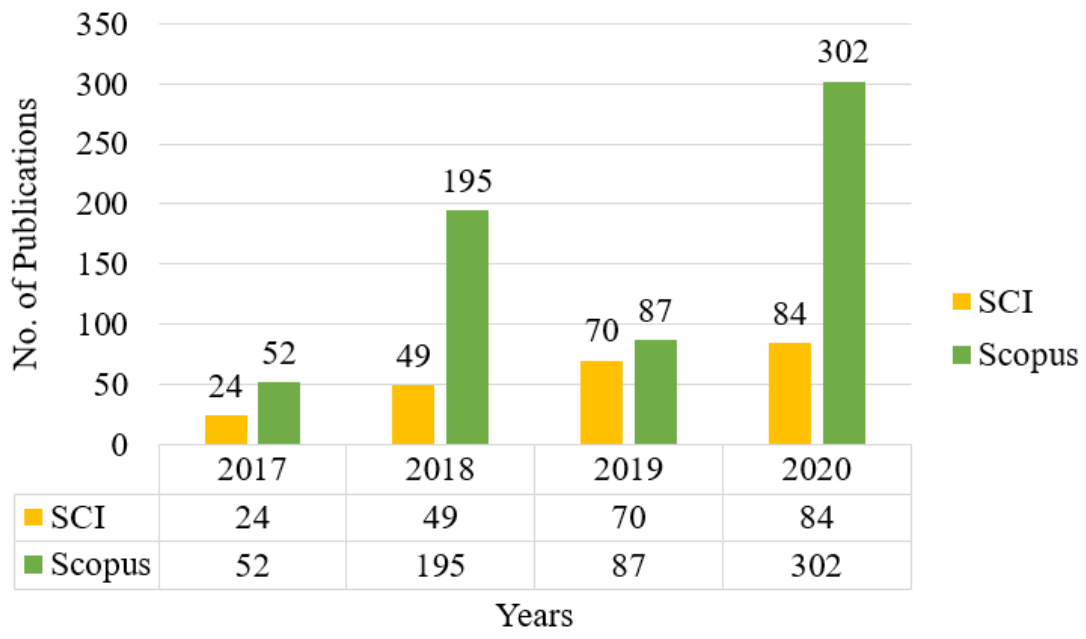
**Table 5.8.1 a) consolidated count of Department wise research publications in referred journals during assessment period (June 2017-July 2020)**

CALENDAR YEAR	SCI	SCOPUS	CITATION	BOOKS/Book chapter PUBLISHED
2020	47	26	71	9
2019	70	87	679	13
2018	49	195	1660	1
2017	24	52	1033	0

[The updated publication count till Dec 2020 and performance metrics for the department are attached](#)

The research metrics of the Department of Mechanical Engineering, SRMIST, KTR during the calendar year 2017 - 2020 are presented below





**Table 5.8.1 C) Detailed list of research publications in a referred journals during assessment period (June 2017 - July 2020)**

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
1	Janakiraman S., Lakshmanan T., Chandran V., Subramani L.	Comparative behavior of various nano additives in a DIESEL engine powered by novel Garcinia gummi-gutta biodiesel	Journal of Cleaner Production	-	-	2.308	8	SCI	2020	7.25	<a href="#">Click</a>
2	Bhaumik S., Paleu V., Sharma S., Dwivedi S., Borkar S., Kamaraj M.	Nano and micro additivated glycerol as a promising alternative to existing non-biodegradable and skin unfriendly synthetic cutting fluids	Journal of Cleaner Production	263		2.308	0	SCI	2020	7.25	<a href="#">Click</a>
3	Thirunavukkarasu V., Cheralathan M.	An experimental study on energy and exergy performance of a spiral tube receiver for solar parabolic dish concentrator	Energy	192	0	1.822	6	SCI	2020	6.08	<a href="#">Click</a>
4	Sivasankaran Harish., M Sivashankar., Dr. C. Selvam., S Manikandan	Performance improvement in concentrated photovoltaics using nano-enhanced phase change material with graphene nanoplatelets	Energy	208		1.822	0	SCI	2020	6.08	<a href="#">Click</a>
5	Praveena V., Leenus Jesu Martin M., Edwin Geo V.	Effect of EGR on emissions of a modified DI compression ignition engine energized with nanoemulsive blends of grapeseed biodiesel	Fuel	267	0	2.012	2	SCI	2020	5.58	<a href="#">Click</a>
6	Loganathan M., Thanigaivelan V., Madhavan V.M., Anbarasu A., Velmurugan A.	The synergetic effect between hydrogen addition and EGR on cashew nut shell liquid biofuel-diesel operated engine	Fuel	266		2.012	2	SCI	2020	5.58	<a href="#">Click</a>
7	Loganathan M., Madhavan V.M., Arun Balasubramanian K., Thanigaivelan V., Vikneswaran M., Anbarasu A.	Investigation on the effect of diethyl ether with hydrogen-enriched cashew nut shell (CNS) biodiesel in direct injection (DI) diesel engine	Fuel	277		2.012	0	SCI	2020	5.58	<a href="#">Click</a>
8	Jayabal R., Thangavelu L., Subramani S.	Combined effect of oxygenated additives, injection timing and EGR on combustion, performance and emission characteristics of	Fuel	276		2.012	0	SCI	2020	5.58	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
		a CRDi diesel engine powered by sapota biodiesel/diesel blends									
9	Rathaur A.S., Katiyar J.K., Patel V.K.	Thermo-mechanical and tribological properties of SU-8/h-BN composite with SN150/perfluoropolyether filler	Friction	-	-	1.914	3	SCI	2020	5.29	<a href="#">Click</a>
10	Madhavan S., Kamaraj M., Arivazhagan B.	A comparative study on the microstructure and mechanical properties of fusion welded 9 Cr-1 Mo steel	Journal of Materials Research and Technology	9	2	2.547	0	SCI	2020	5.29	<a href="#">Click</a>
11	Karthikeyan C.P., Kalpana G., Krishnamoorthy V., Samuel A.A.	Transient numerical analysis of thermophoresis and particle dynamics in a nanofluid " pool boiling conditions	Journal of Molecular Liquids	301		1.275	0	SCI	2020	5.07	<a href="#">Click</a>
12	Senthilkumar R., Vasudevan P., Prabhu S.	Neural network and multi-objective optimization of confined flow characteristics on circular cylinder in standing double vortex region	Neural Computing and Applications			1.481	0	SCI	2020	4.77	<a href="#">Click</a>
13	Naveen Kumar T.R., Yuvaraj S., Kavitha P., Sudhakar V., Krishnamoorthy K., Neppolian B.	Aromatic amine passivated TiO2 for dye-sensitized solar cells (DSSC) with ~9.8% efficiency	Solar Energy	201		1.622	0	SCI	2020	4.61	<a href="#">Click</a>
14	Krishnaraj L., Niranjana R., Kumar G.P., Kumar R.S.	Numerical and experimental investigation on mechanical and thermal behaviour of brick masonry: An efficient consumption of ultrafine fly ash	Construction and Building Materials	253		2.369	0	SCI	2020	4.42	<a href="#">Click</a>
15	Bhaumik S., Dr., Chowdhury D., Batham A., Sehgal U., Ghosh C., Bhattacharya B., Datta S.	Analysing the frictional properties of micro dimpled surface created by milling machine under lubricated condition	Tribology International	146	0	2.161	1	SCI	2020	4.27	<a href="#">Click</a>
16	C SELVAM., S MANIKANDAN., N VIJAY KRISHNA., RAVITA LAMBA., S C KAUSHIK.,	Enhanced thermal performance of a thermoelectric generator with phase change materials	International Communications in Heat and Mass Transfer	114	-	1.454	1	SCI	2020	3.97	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
	OMID MAHIAN										
17	Arab A.Z.E.-A., Merdji A., Benaissa A., Roy S., Bachir Bouiadjra B.-A., Layadi K., Ouddane A., Mukdadi O.M.	Finite-Element analysis of a lateral femoro-tibial impact on the total knee arthroplasty	Computer Methods and Programs in Biomedicine	192		1.705	2	SCI	2020	3.63	<a href="#">Click</a>
18	D Raja., Sandipan Roy., Shubhabrata Datta	A biomechanical study on the laminate stacking sequence in composite bone plates for vancouver femur B1 fracture fixation	Computer Methods and Programs in Biomedicine	196		1.705	0	SCI	2020	3.63	<a href="#">Click</a>
19	Jeyakarthikeyan P.V., M. R.J., M. R.N.	An Efficient and Rapid Numerical Quadrature to generate element matrices for quadrilateral and hexahedral elements in Functionally Graded Materials (FGMs)	Computers and Mathematics with Applications	80	4	1.237	0	SCI	2020	3.37	<a href="#">Click</a>
20	S ShashiKumar., N Murugan., K K Ramachandran	Effect of tool tilt angle on weld joint properties of friction stir welded AISI 316L stainless steel sheets	Measurement	150	-	0	0	SCI	2020	3.36	<a href="#">Click</a>
21	Sasikumar S., Georgy K., Mukherjee M., Vinod Kumar G.S.	Foam stabilization by aluminum powder	Materials Letters	262	0	0.912	0	SCI	2020	3.2	<a href="#">Click</a>
22	Vedagiri P., Martin L.J., Varuvel E.G.	Characterization of urea SCR using Taguchi technique and computational methods	Environmental Science and Pollution Research			1.032	1	SCI	2020	3.06	<a href="#">Click</a>
23	Thomas K.A., Dey S., Sultana N., Sarkar K., Datta S.	Design of Ti composite with bioactive surface for dental implant	Materials and Manufacturing Processes	35	6	1.762	0	SCI	2020	3.05	<a href="#">Click</a>
24	Raushan P.K., Paul A., Singh S.K., Debnath K.	Spatially-averaged turbulent flow characteristics over ribbed surface in presence of unidirectional wave over steady current	Applied Ocean Research	100		2.187	0	SCI	2020	2.75	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
25	Prabakaran R., Prasanna Naveen Kumar J., Mohan Lal D., Selvam C., Harish S.	Constrained melting of graphene-based phase change nanocomposites inside a sphere	Journal of Thermal Analysis and Calorimetry	-	-	1.063	19	SCI	2020	2.73	<a href="#">Click</a>
26	Rana M., Biswas J.K., Roy S., Biswas P., Karmakar S.K., Roychowdhury A.	Motion analysis of lumbar vertebrae for different rod materials and flexible rod device – An experimental and finite element study	Biocybernetics and Biomedical Engineering	40	1	1.131	3	SCI	2020	2.54	<a href="#">Click</a>
27	Chakraborty, Debrup; Saha, Sudipta; Dey, Soumyajyoti; Pramanik, Sumit	Enhanced mechanical toughness of carbon nanofibrous-coated surface modified Kevlar reinforced polyurethane/epoxy matrix hybrid composites	JOURNAL OF APPLIED POLYMER SCIENCE			0.814	0	SCI	2020	2.52	<a href="#">Click</a>
28	Gunasekaran M., Mukherjee R.	Aerodynamic analysis of basic and extended lead-trail formation using numerical technique	European Journal of Mechanics, B/Fluids	79	0	1.179	0	SCI	2020	2.13	<a href="#">Click</a>
29	Gunasekaran M., Mukherjee R.	Aerodynamic analysis of wings in Chevron and V formation flights	European Journal of Mechanics, B/Fluids	84		1.179	0	SCI	2020	2.13	<a href="#">Click</a>
30	Dr. Shubrajit Bhaumik., Manidipto Mukherjee., Parijat Sarkar., Anish Nayek., Viorel Paleu	Microstructural and Wear Properties of Annealed Medium Carbon Steel Plate (EN8) Cladded with Martensitic Stainless Steel (AISI410)	Metals	10	7	1.105	0	SCI	2020	2.12	<a href="#">Click</a>
31	Infanta Mary Priya I., Vinayagam B.K.	Detection of damages on biaxial GFRP composite material using non-destructive technique	Polymer Bulletin			0.718	0	SCI	2020	2.01	<a href="#">Click</a>
32	D KUMARAN., A RAJADURAI., K PADMANABHAN	Processing and evaluation of thermal-sprayed high-performance polymer fiber reinforced Zn metal matrix composites	Journal of Composite Materials	-	-	1.123	0	SCI	2020	1.97	<a href="#">Click</a>
33	A Vinoth., Shubhabrata Datta	Design of the ultrahigh molecular weight polyethylene composites with multiple nanoparticles: An artificial intelligence approach	Journal of Composite Materials	-	-	1.123	0	SCI	2020	1.97	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
34	Rathaur A.S., Patel V.K., Katiyar J.K.	Tribo-mechanical properties of graphite/talc modified polymer composite bearing balls	Materials Research Express	7	1	0.501	0	SCI	2020	1.93	<a href="#">Click</a>
35	Kamaraj M., Dodson E.A., Datta S.	Effect of graphene on the properties of flax fabric reinforced epoxy composites	Advanced Composite Materials			0.834	1	SCI	2020	1.88	<a href="#">Click</a>
36	Vijayaragavan M., Lalgudi Ramachandran G.S.	Effect of synergistic interaction between hydrogen inductions with Simarouba glauca-diesel blend for CI engine application	Heat and Mass Transfer/Waerme-und Stoffuebertragung			0.81	0	SCI	2020	1.87	<a href="#">Click</a>
37	Loganathan Krishnaraj., Niranjan Ramesh., Rajendran Senthil Kumar., Prem Kumar George	Characterization Study of Zinc Sulphate's Influence and Retarding Mechanism with Coarser and Finer Fly Ash Particles in Concrete	KSCE Journal of Civil Engineering			0.982	0	SCI	2020	1.52	<a href="#">Click</a>
38	Bhaumik S., Kamaraj M., Paleu V.	Tribological analyses of a new optimized gearbox biodegradable lubricant blended with reduced graphene oxide nanoparticles	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology			1.161	0	SCI	2020	1.4	<a href="#">Click</a>
39	Kumar A.A.J., Prakash M.	Mechanical and morphological characterization of basalt/Cissus quadrangularis hybrid fiber reinforced polylactic acid composites	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science			0.882	0	SCI	2020	1.39	<a href="#">Click</a>
40	Pankaj Kumar Raushan., Santosh Kumar Singh., Koustuv Debnath	Role of rigid boundary on the decay of turbulence generated by passive-grid for free surface flow	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical			0.882	0	SCI	2020	1.39	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
			Engineering Science								
41	Rana M., Roy S., Biswas P., Biswas S.K., Biswas J.K.	Design and development of a novel expanding flexible rod device (FRD) for stability in the lumbar spine: A finite-element study	International Journal of Artificial Organs			0.444	1	SCI	2020	1.34	<a href="#">Click</a>
42	Ghosh G., Roy S., Merdji A.	A proposed health monitoring system using fuzzy inference system	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine			0.724	0	SCI	2020	1.28	<a href="#">Click</a>
43	Amel Boukhelif., Ali Merdji., Sandipan Roy., Hashem Alkhalidi., Ibrahim Abu-alshaikh., Nourddine Della., Corina Marilena Cristache., Rajshree Hillstrom	Effect of supporting implants inclination on stability of fixed partial denture: A finite element study	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine			0.724	0	SCI	2020	1.28	<a href="#">Click</a>
44	Biswas J.K., Dey S., Karmakar S.K., Roychowdhury A., Datta S.	Design of patient specific spinal implant (Pedicule screw fixation) using FE analysis and soft computing techniques	Current Medical Imaging Reviews	16	4	0.242	3	SCI	2020	0.81	<a href="#">Click</a>
45	Min S.-N., Subramaniyam M., Park S.J., Lee K.-S.	Development of the fall prevention index on the movable scaffold for construction workers	Work	65	1	0.649	0	SCI	2020	0.77	<a href="#">Click</a>
46	Sakthivel C., Senthil Kumar V.S., Iqbal U.M.	Effects of prior annealing on the mechanical properties of a twist-extruded aa 7075 aluminum alloy	Materiali in Tehnologije	54	1	0.629	0	SCI	2020	0.7	<a href="#">Click</a>
47	Poonguzhali V., Deepan Bharathi Kannan T., Umar M., Sathiya P.	Application of ANN Modelling and GA Optimization for Improved Creep and Corrosion Properties of Spin-Arc Welded	Russian Journal of Non-Ferrous Metals	61	2	0.588	0	SCI	2020	0.58	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
		AA5083-H111 Alloy									
48	Thavamani J., Senthil R.	Performance analysis of retrofitted domestic vapour compression refrigeration system using hydrocarbon refrigerants	International Journal of Ambient Energy			0.627	0	Scopus	2020	0	<a href="#">Click</a>
49	Muthuramalingam T., Ganesh Babu L., Sridharan K., Geethapriyan T., Srinivasan K.P.	Multi-response Optimization of WEDM Process Parameters of Inconel 718 Alloy Using TGRA Method	Lecture Notes in Networks and Systems	104	0	0	0	Scopus	2020		<a href="#">Click</a>
50	D Bhanu Priya., Guan-Chen Chen	Development and Optimization of an Intelligent Parking Slot Allotter and Billing System Based on Machine Learning and OCR	Mechanisms and Machine Science	78	-		0	Scopus	2020		<a href="#">Click</a>
51	Sundar Singh Sivam S.P., Babu L.G., Kumaran D.	Enhancing the mechanical properties and formability of cold rolled closed annealed sheet for automobile applications	International Journal of Vehicle Structures and Systems	11	4	0.42	0	Scopus	2020		<a href="#">Click</a>
52	Singh S.K., Raushan P.K., Debnath K., Mazumder B.S.	Higher order turbulent flow characteristics of oscillatory flow over a wall-mounted obstacle	Ish Journal Of Hydraulic Engineering	-	-	0.856	2	Scopus	2020		<a href="#">Click</a>
53	Seung Nam Min., D Bhanu Priya., Subramaniyam Murali	Excessive Smartphone Use and Associated Physiological Disorders – A Survey on Research Status in India	Lecture Notes in Computer Science	12198			0	Scopus	2020		<a href="#">Click</a>
54	Krishnan S., Krishna A., Nordin A., Amirtham V., Rani A.M.A., Rao T.V.V.L.N.	Design and Fabrication of a Parallel Mechanism for Foot/Ankle Rehabilitation Therapy	Lecture Notes in Mechanical Engineering			0.212	0	Scopus	2020		<a href="#">Click</a>
55	BHARANI KUMAR REDDY., D SIVA KRISHNA REDDY., BIBHU PRASAD PADHY	Flat-Fire Trajectory Simulation of AK-47 Assault Rifle 7.82-mm Bullet	Lecture Notes in Mechanical Engineering	-	-	0.212	0	Scopus	2020		<a href="#">Click</a>
56	A Vinoth., Shubhabrata Datta	Optimization of Mechanical Characteristics of UHMWPE Composites Using Computational Intelligence	Lecture Notes in Mechanical Engineering	-	-		1	Scopus	2020		<a href="#">Click</a>

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57	Samson R.M., Rajak S., Kannan T.D.B., Sampreet K.R.	Optimization of Process Parameters in Abrasive Water Jet Machining of Inconel 718 Using VIKOR Method	Journal of The Institution of Engineers (India): Series C			0.629	0	Scopus	2020		<a href="#">Click</a>
58	Nagarajan A., Sunil J., Arul Raja R.A., Sadasivuni K.K.	Chemical properties of garnet nanofluids	Materials Today: Proceedings	21	0	0.576	0	Scopus	2020		<a href="#">Click</a>
59	Arul Raja R.A., Sunil J., Sadasivuni K.K.	Estimation of lubricity properties of nanolubricants	Materials Today: Proceedings	21	0	0.576	0	Scopus	2020		<a href="#">Click</a>
60	Sampreet K.R., Mahidhar V., Kannan R., Arunagiri., Deepan Bharathi Kannan T.	Optimization of parameters in Nd:YAG laser welding of Ti-6Al-4V using TOPSIS	Materials Today: Proceedings	21	0	0.576	0	Scopus	2020		<a href="#">Click</a>
61	Mahidhar V., Sampreet K.R., Kannan R., Deepan Bharathi Kannan T.	Parameter optimization in laser welding of Hastelloy C-276 using TOPSIS	Materials Today: Proceedings	21	0	0.576	0	Scopus	2020		<a href="#">Click</a>
62	Haja Syeddu Masooth P., Jayakumar V.	Experimental investigation on surface finish of drilled hole by TiAlN, TiN, AlCrN coated HSS drill under dry conditions	Materials Today: Proceedings	22		0.576	2	Scopus	2020		<a href="#">Click</a>
63	Haja Syeddu Masooth P., Jayakumar V., Bharathiraja G.	Experimental investigation on surface roughness in CNC end milling process by uncoated and TiAlN coated carbide end mill under dry conditions	Materials Today: Proceedings	22		0.576	3	Scopus	2020		<a href="#">Click</a>
64	Sundar Singh Sivam S.P., Loganathan G.B., Saravanan K., Umasekar V.G.	Experimental study and ignition fire risk mapping on friction stir welding parameters of dissimilar alloys for the benefits of environment	Materials Today: Proceedings	22		0.576	9	Scopus	2020		<a href="#">Click</a>
65	P Sathiya ., T Deepan Bharathi Kannana., A Paravind	Experimental Investigation and Optimization of Process Parameters in Laser welding of NiTiInol Shape Memory Alloys	Materials Today: Proceedings	22	4	0.576	0	Scopus	2020		<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
66	K R Sampreet., Vasareddy Mahidhar., T Deepan Bharathi Kannan	Optimization of process parameters in CO2 laser welding of Hastelloy C-276	Materials Today: Proceedings	22		0.576	0	Scopus	2020		<a href="#">Click</a>
67	R Babji., Umamaheswara Reddy., Mokshagna., S Shakhthivel	Characteristic Investigation and Comparison between Vetiver fiber -reinforced polypropylene and polyethylene with Coconut shell powder and Maleic anhydride as filler and coupling agents	Materials Today: Proceedings	24	4	0.576	0	Scopus	2020		<a href="#">Click</a>
68	Veeranaath V.	Multi variate optimization of the influence of edge geometry in orthogonal machining of Ti6Al4V using pcbn inserts by taguchi and grey relational analysis	International Journal of Mechanical and Production Engineering Research and Development	10	3	0.208	0	Scopus	2020		<a href="#">Click</a>
69	Do Rosario Carvalho A.D., Vijaya A.	Automated industrial robot arm for three-dimensional measurement and reverse engineering	International Journal of Mechanical and Production Engineering Research and Development	10	3	0.208	0	Scopus	2020		<a href="#">Click</a>
70	Subramaniyam M., Kumar K., Shanmugam D., Kim D.J., Lee K.-S., Park S.J., Min S.N.	Assistive technologies for elderly – review on recent developments in lower limb and back pain management	Advances in Intelligent Systems and Computing	972	-	0.434	1	Scopus	2020		<a href="#">Click</a>
71	Bhaumik S., Paleu V., Chowdhury D., Cîrlan Paleu C., Datta S.	Effect of microstructure on wear behaviour of aluminium 2014 (Al2014)	IOP Conference Series: Materials Science and Engineering	724	1	0.531	0	Scopus	2020		<a href="#">Click</a>
72	Paleu V., Cîrlan Paleu C., Istrate B., Bhaumik S., Munteanu C.	Friction and wear resistance of Al2O3 40TiO2 (AMDRY 6250) coating of a pump shaft sleeve bearing	IOP Conference Series: Materials Science and Engineering	724	1	0.531	0	Scopus	2020		<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
73	Seung Nam Min., Subramaniam Murali., Kyung-sun Lee., Se Jin Park	Development of Mobile Application Program for Stroke Prediction Using Machine Learning with Voice Onset Time Data	Communications in Computer and Information Science	1224			0	Scopus	2020		<a href="#">Click</a>
74	Selvam C., Manikandan S., Kaushik S.C., Lamba R., Harish S.	Transient performance of a Peltier super cooler under varied electric pulse conditions with phase change material	Energy Conversion and Management	198	-	2.151	2	SCI	2019	8.21	<a href="#">Click</a>
75	Manikandan S., Selvam C., Poddar N., Pranjal K., Lamba R., Kaushik S.C.	Thermal management of low concentrated photovoltaic module with phase change material	Journal of Cleaner Production	219	-	2.308	17	SCI	2019	7.25	<a href="#">Click</a>
76	Venkatachalam T., Cheralathan M.	Effect of aspect ratio on thermal performance of cavity receiver for solar parabolic dish concentrator: An experimental study	Renewable Energy	139	-	2.075	16	SCI	2019	6.27	<a href="#">Click</a>
77	Senthilkumar R., Prakash M., Arun N., Jeyakumar A.A.	The effect of the number of passes in friction stir processing of aluminum alloy (AA6082) and its failure analysis	Applied Surface Science	491	15	1.326	11	SCI	2019	6.18	<a href="#">Click</a>
78	R Murugesan., M Gopal., G Murali	Effect of Cu, Ni addition on the CNTs dispersion, wear and thermal expansion behavior of Al-CNT composites by molecular mixing and mechanical alloying	Applied Surface Science	495	-	1.326	7	SCI	2019	6.18	<a href="#">Click</a>
79	Bhaumik S., Mathew B.R., Datta S.	Computational intelligence-based design of lubricant with vegetable oil blend and various nano friction modifiers	Fuel	-	-	2.012	10	SCI	2019	5.58	<a href="#">Click</a>
80	ANUJ KUMAR SHARMA., JITENDRA KUMAR KATIYAR., SHUBRAJIT BHAUMIK., SANDIPAN ROY	Influence of alumina/MWCNT hybrid nanoparticle additives on tribological properties of lubricants in turning operations	Friction	-	-	1.914	43	SCI	2019	5.29	<a href="#">Click</a>
81	Santhakumar, J.; Iqbal, U. Mohammed	Role of trochoidal machining process parameter and chip morphology studies during end milling of AISI D3 steel	JOURNAL OF INTELLIGENT MANUFACTURING	-	-	1.921	0	SCI	2019	4.31	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
82	Bhaumik S., Pathak S.D., Dey S., Datta S.	Artificial intelligence based design of multiple friction modifiers dispersed castor oil and evaluating its tribological properties	Tribology International	140	-	2.161	4	SCI	2019	4.27	<a href="#">Click</a>
83	ShubrajitBhaumik., Viorel Paleu., Rajan Pathak., Rishabh Maggirwar., Jitendra KumarKatiyar., Anuj Kumar Shurma	Tribological investigation of r-GO additived biodegradable cashew nut shells liquid as an alternative industry lubricant	Tribology International	-	-	2.161	6	SCI	2019	4.27	<a href="#">Click</a>
84	R Senthil., M Cheralathan	Enhancement of the thermal energy storage capacity of a parabolic dish concentrated solar receiver using phase change materials	Journal of Energy Storage	25	-	1.232	14	SCI	2019	3.76	<a href="#">Click</a>
85	Senthil R., Yuvaraj S.	A comprehensive review on bioinspired solar photovoltaic cells	International Journal of Energy Research	-	-	1.111	10	SCI	2019	3.74	<a href="#">Click</a>
86	Kasani R., Rama Sai Attili B.K., Dommeti V.K., Merdji A., Biswas J.K., Roy S.	Stress distribution of overdenture using odd number implants – A Finite Element Study	Journal of the Mechanical Behavior of Biomedical Materials	98	-	1.48	8	SCI	2019	3.37	<a href="#">Click</a>
87	Ambigai R., Prabhu S.	Fuzzy logic algorithm based optimization of the tribological behavior of Al-Gr-Si3N4 hybrid composite	Measurement: Journal of the International Measurement Confederation	146	-	1.746	7	SCI	2019	3.36	<a href="#">Click</a>
88	Dutta T., Das D., Banerjee S., Saha S.K., Datta S.	An automated morphological classification of ferrite-martensite dual-phase microstructures	Measurement: Journal of the International Measurement Confederation	137	-	1.746	6	SCI	2019	3.36	<a href="#">Click</a>
89	Kumar P., Sarkar S.	Experimental investigation of liquid disintegration on slotted disc in centrifugal atomization process	Chemical Engineering Research and Design	145	-	1.296	1	SCI	2019	3.35	<a href="#">Click</a>

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90	Singh S.K., Raushan P.K., Debnath K.	Role of multiple flow stages over submerged structure	Ocean Engineering	-	-	2.242	4	SCI	2019	3.07	<a href="#">Click</a>
91	Rajasekar V., Geo V.E., Martin L.J., Nagalingam B.	The combined effect of low viscous biofuel and EGR on NO-smoke tradeoff in a biodiesel engine – an experimental study	Environmental Science and Pollution Research	-	-	1.032	0	SCI	2019	3.06	<a href="#">Click</a>
92	Praveena Vedagiri., Leenus Jesu Martin., Edwin Geo Varuvel., Thiyagarajan Subramanian	Experimental study on NOx reduction in a rapeseed oil biodiesel-fueled CI engine using nanoemulsions and SCR retrofitment	Environmental Science and Pollution Research	-	-	1.032	1	SCI	2019	3.06	<a href="#">Click</a>
93	Sachuthananthan Bharathy., Balaji Gnanasikamani., Krupakaran Radhakrishnan Lawrence	Investigation on the use of plastic pyrolysis oil as alternate fuel in a direct injection diesel engine with titanium oxide nanoadditive	Environmental Science and Pollution Research	-	-	1.032	6	SCI	2019	3.06	<a href="#">Click</a>
94	Santhakumar J., Mohammed Iqbal U	Parametric Optimization of Trochoidal Step on Surface Roughness and Dish Angle in End Milling of AISID3 Steel Using Precise Measurements	Materials	12	8	1.2	10	SCI	2019	3.06	<a href="#">Click</a>
95	Sunil J., Vignesh J., Vettumperumal R., Maheswaran R., Raja R.A.A.	The thermal properties of CaO-Nanofluids	Vacuum	161	-	1.169	11	SCI	2019	2.91	<a href="#">Click</a>
96	Sharma V., Sundaramurthy A.	Reusable Hollow Polymer Microreactors Incorporated with Anisotropic Nanoparticles for Catalysis Application	ACS Omega	4	1	0.673	7	SCI	2019	2.87	<a href="#">Click</a>
97	Ghosal S., Dey S., Bhattacharyya P., Chattopadhyay P.P., Datta S.	Data-driven design of ternary alloy catalysts for enhanced oxide-based gas sensors – performance	Computational Materials Science	161	-	1.082	5	SCI	2019	2.86	<a href="#">Click</a>
98	Dutta T., Dey S., Datta S., Das D.	Designing dual-phase steels with improved performance using ANN and GA in tandem	Computational Materials Science	157	-	1.082	30	SCI	2019	2.86	<a href="#">Click</a>

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99	Praveena V., Martin M.L.J., Geo V.E.	Experimental characterization of CI engine performance, combustion and emission parameters using various metal oxide nanoemulsion of grapeseed oil methyl ester	Journal of Thermal Analysis and Calorimetry	-	-	1.063	5	SCI	2019	2.73	<a href="#">Click</a>
100	Sudhakar P., Cheralathan M.	Thermal performance enhancement of solar air collector using a novel V-groove absorber plate with pin-fins for drying agricultural products: an experimental study	Journal of Thermal Analysis and Calorimetry	-	-	1.063	4	SCI	2019	2.73	<a href="#">Click</a>
101	Arul Jeya Kumar A., Prakash M.	Thermal properties of basalt/Cissus quadrangularis hybrid fiber reinforced polylactic acid biomedical composites	Journal of Thermal Analysis and Calorimetry	-	-	1.063	0	SCI	2019	2.73	<a href="#">Click</a>
102	S. Manikandan., C. Selvam., P. Pavan Sai Praful., Ravita Lamba., S. C. Kaushik., Dongliang Zhao., Ronggui Yang	A novel technique to enhance thermal performance of a thermoelectric cooler using phase-change materials	Journal of Thermal Analysis and Calorimetry	-	-	1.063	9	SCI	2019	2.73	<a href="#">Click</a>
103	Prabakaran R., Sidney S., Lal D.M., Selvam C., Harish S.	Solidification of Graphene-Assisted Phase Change Nanocomposites inside a Sphere for Cold Storage Applications	Energies	12	18	1.156	10	SCI	2019	2.7	<a href="#">Click</a>
104	Rashmi W., Osama M., Khalid M., Rasheed A., Bhaumik S., Wong W.Y., Datta S., Tcsm G.	Tribological performance of nanographite-based metalworking fluid and parametric investigation using artificial neural network	International Journal of Advanced Manufacturing Technology	-	-	1.596	0	SCI	2019	2.63	<a href="#">Click</a>
105	Ashok Kumar, I.; Jeya Kumar, A. Arul; Prakash, M.	Thermal Characterization of Flax/Basalt Fiber Reinforced Phenol Resin Brake Pad Material: Effective Replacement of Asbestos	JOURNAL OF NATURAL FIBERS			0.752	0	SCI	2019	2.62	<a href="#">Click</a>
106	Biswas J.K., Sahu T.P., Rana M., Roy S., Karmakar S.K., Majumder S., Roychowdhury A.	Design factors of lumbar pedicle screws under bending load: A finite element analysis	Biocybernetics and Biomedical Engineering	39	1	1.131	16	SCI	2019	2.54	<a href="#">Click</a>
107	Pramanik, Sumit; Agarwala, Pratibha; Vasudevan, Kharthik; Sarkar, Koustav	Human-lymphocyte cell friendly starch-hydroxyapatite biodegradable composites: Hydrophilic mechanism, mechanical, and structural impact	JOURNAL OF APPLIED POLYMER SCIENCE			0.814	0	SCI	2019	2.52	<a href="#">Click</a>

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108	Balakrishnan P., Srinivasan K.	Impinging jet noise reduction using non-circular jets	Applied Acoustics	143	-	1.614	6	SCI	2019	2.44	<a href="#">Click</a>
109	Panwar, Vinay; Pal, Kaushik	Influence of addition of selective metallic species on mechanical properties of graphene/acrylonitrile-butadiene-styrene composites	POLYMER COMPOSITES			0.96	5	SCI	2019	2.27	<a href="#">Click</a>
110	Latfi A.S.A., Pramanik S., Poon C.T., Gumel A.M., Lai K.W., Annuar M.S.M., Pinguan-Murphy B.	Structural and bone marrow stem cell biocompatibility studies of hydrogel synthesized via chemo-enzymatic route	Journal of Biomaterials Applications	33	6	0.665	2	SCI	2019	2.22	<a href="#">Click</a>
111	Raushan P.K., Singh S.K., Debnath K.	Grid-generated turbulence in pulsating flow under the rigid boundary influence	European Journal of Mechanics, B/Fluids	78	-	1.179	6	SCI	2019	2.13	<a href="#">Click</a>
112	Chatterjee S., Dey S., Majumder S., RoyChowdhury A., Datta S.	Computational intelligence based design of implant for varying bone conditions	International Journal for Numerical Methods in Biomedical Engineering	-	-	1.036	0	SCI	2019	2.1	<a href="#">Click</a>
113	Sahu R.K., Hiremath S.S.	Role of stabilizers on agglomeration of debris during micro-electrical discharge machining	Machining Science and Technology	-	-	1.507	0	SCI	2019	2.07	<a href="#">Click</a>
114	Harshavardhana N., Gururajan M.P., Pant P.	Microstructure Engineering to Optimize Hardness and Conductivity in Electrolytic Tough Pitch Copper	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	-	-	1.237	0	SCI	2019	2.05	<a href="#">Click</a>
115	Sean D Brass., K R Ravi., J Nampoothiri., K M Saradesh., T Rajasekaran., G S Vinodkumar	The Effect of Melt Ultrasound Treatment on the Microstructure and Age Hardenability of Al-4 Wt Pct Cu/TiC Composite	Metallurgical and Materials Transactions B	-	-	0	1	SCI	2019	2.04	<a href="#">Click</a>

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116	G Kosalishkwaran., S Parasuraman., Elango Natarajan., I Elamvazuthi., D Kingsly Jeba Singh., John George	Measurement of range of motions of L3-L4 healthy spine through offsetting reflective markers and in silico analysis of meshed model	Medical and Biological Engineering and Computing	-	-	1.092	0	SCI	2019	2.02	<a href="#">Click</a>
117	Gnanasikamani, Balaji; Bharathy, Sachuthanandan; Kumar, Suresh K.; Marinnuthu, Cheralathan	Ecological influence of addition of antioxidant and incorporation of selective catalytic reduction on NO emission in off-road engines powered by waste plastic oil blend	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY			0.623	0	SCI	2019	1.99	<a href="#">Click</a>
118	Vijayaragavan M.R., Lalgudi Ramachandran G.S.	An experimental study on the performance combustion and emission characteristics on diesel: Simarouba glauca biodiesel blended fuel for diesel engine with ethanol as additive	Environmental Progress and Sustainable Energy	-	-	0.623	0	SCI	2019	1.99	<a href="#">Click</a>
119	Balaji, G.; Arora, Utkarsh; Dasgupta, Saurav; Mund, Siddhant	Individual effects of antioxidant additive and SCR system on the NOx reduction of a CI engine powered by cottonseed oil blend	MATERIALS RESEARCH EXPRESS	6	8	0.501	0	SCI	2019	1.93	<a href="#">Click</a>
120	Iqbal, U. Mohammed; Muralidharan, S.	Optimization of die design parameters and experimental validation on twist channel angular pressing process of AA6061-T6 aluminium alloy	MATERIALS RESEARCH EXPRESS	6	8	0.501	2	SCI	2019	1.93	<a href="#">Click</a>
121	Biswajeet Nayak., Ranjeet Kumar Sahu	Experimental and Digimat-FE based representative volume element analysis of exceptional graphene flakes/aluminium alloy nanocomposite characteristics	Materials Research Express	-	-	0.501	2	SCI	2019	1.93	<a href="#">Click</a>
122	Amit Joshi., K K S Mer., Vinay Kumar Patel., Jitendra K Katiyar	Effect of azobis-isobutyronitrile propellant loading and nanoscaling of CuO on combustion performance of CuO/Al nanoenergetic materials	Materials Research Express	6	11	0.501	0	SCI	2019	1.93	<a href="#">Click</a>
123	Arvind Singh Negi., Jitendra Kumar Katiyar., Sandeep Kumar., Nitin Kumar., Vinay Kumar	Physicomechanical and abrasive wear properties of hemp/Kevlar/carbon reinforced hybrid epoxy composites	Materials Research Express	-	-	0.501	2	SCI	2019	1.93	<a href="#">Click</a>

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124	R Murugesan., M Gopal., G Murali	Size effect of functionalized reinforcements on the microstructure and mechanical properties of flaky Al-CNT composites	Materials Research Express	6	6	0.501	0	SCI	2019	1.93	<a href="#">Click</a>
125	Pattanaik A., Mukharjee M., Mishra S.C.	Effect of environmental aging conditions on the properties of fly ash filled epoxy composites	Advanced Composite Materials	-	-	0.834	1	SCI	2019	1.88	<a href="#">Click</a>
126	Santhanakrishnan Radhakrishnan., Dinesh Babu Munuswamy., Yuvarajan Devarajan., Arulprakasajothi Mahalingam	Performance, emission and combustion study on neat biodiesel and water blends fuelled research diesel engine	HEAT AND MASS TRANSFER	-	-	0.81	99	SCI	2019	1.87	<a href="#">Click</a>
127	Sudhakar, P.; Cheralathan, M.	Encapsulated PCM based double pass solar air heater: A comparative experimental study	CHEMICAL ENGINEERING COMMUNICATIONS	-	-	0.68	0	SCI	2019	1.8	<a href="#">Click</a>
128	T Geethapriyan., T Muthuramalingam., K Kalaichelvan	Influence of Process Parameters on Machinability of Inconel 718 by Electrochemical Micromachining Process using TOPSIS Technique	Arabian Journal for Science and Engineering	-	-	0.93	5	SCI	2019	1.71	<a href="#">Click</a>
129	Saravanan A.L., Lal D.M., Selvam C.	Experimental Investigation on the Performance of Condenser for Charge Reduction of HC-290 in a Split Air-Conditioning System	Heat Transfer Engineering	-	-	0.991	0	SCI	2019	1.69	<a href="#">Click</a>
130	Sidney S., Dhasan M.L., Selvam C., Harish S.	Experimental investigation of freezing and melting characteristics of graphene-based phase change nanocomposite for cold thermal energy storage applications	Applied Sciences (Switzerland)	9	6		13	SCI	2019	1.68	<a href="#">Click</a>
131	Senthil, Ramalingam	EFFECT OF UNIFORM AND VARIABLE FIN HEIGHT ON CHARGING AND DISCHARGING OF PHASE CHANGE MATERIAL IN A	THERMAL SCIENCE	23	3	0.854	6	SCI	2019	1.57	<a href="#">Click</a>

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		HORIZONTAL CYLINDRICAL THERMAL STORAGE									
132	Srinivasan L., Khan M.C., Kannan T.D.B., Sathiya P., Biju S.	Application of Genetic Algorithm Optimization Technique in TIG Welding of 15CDV6 Aerospace Steel	Silicon	-	-	0.838	3	SCI	2019	1.5	<a href="#">Click</a>
133	T V V L N Rao., Ahmad M A Rani., Norani M Mohamed., Hamdan H Ya., Mokhtar Awang., Fakhruldin M Hashim	Static and stability analysis of partial slip texture multi-lobe journal bearings	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	-	-	1.161	0	SCI	2019	1.4	<a href="#">Click</a>
134	TVVLN Rao., Ahmad Majdi Abdul Rani., Norani Muti Mohamed., Hamdan Haji Ya., Mokhtar Awang., Fakhruldin Mohd Hashim	Analysis of magnetohydrodynamic partial slip laser bump texture slider and journal bearing	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	-	-	1.161	0	SCI	2019	1.4	<a href="#">Click</a>
135	Jayanta Kumar Biswas., Sandipan Roy., Masud Rana., Subhasish Halder	A comparison of rigid, semi-rigid and flexible spinal stabilization devices: A finite element study	Proceedings of the Institution of Mechanical Engineers. Part H, Journal of engineering in medicine	-	-		5	SCI	2019	1.32	<a href="#">Click</a>
136	Rajalakshmi T., Prince S.	Study of a retinal layer model to generate a spike waveform for a color deficient and strabismus individual	Biomedizinische Technik	-	-	0.831	0	SCI	2019	1.05	<a href="#">Click</a>
137	Singh S.K., Debnath K., Mazumder B.S.	Reply to the discussion by li and li on "turbulence over cube-mounted rough bed using spatiotemporal averaging approach"	Canadian Journal of Civil Engineering	46	1	0.734	6	SCI	2019	0.99	<a href="#">Click</a>

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138	Arul Gnana Dhas A., Nagappan B., Yoganand K., Arvind T., Varghese S., Christopherselvam D.	Effect of nano-fluid on reducing the smoke emissions from diesel engine	Petroleum Science and Technology	-	-	0.666	1	SCI	2019	0.98	<a href="#">Click</a>
139	DEVARAJAN., YUVARAJAN., MUNUSWAMY., DINESH BABU., RADHAKRISHNAN., SANTHANAKRISHNAN., MAHALINGAM., ARULPRAKASAJOTHI., NAGAPPAN., BEEMKUMAR	Experimental Testing and Evaluation of Neat Biodiesel and Heptanol Blends in Diesel Engine	Journal of Testing and Evaluation	-	-	0.461	92	SCI	2019	0.88	<a href="#">Click</a>
140	SHAMBO BHATTACHARYA., SANDIPAN ROY., MASUD RANA., SREERUP BANERJEE., SANTANU KUMAR KARMAKAR., JAYANTA KUMAR BISWAS	BIOMECHANICAL PERFORMANCE OF A MODIFIED DESIGN OF DYNAMIC CERVICAL IMPLANT COMPARED TO CONVENTIONAL BALL AND SOCKET DESIGN OF AN ARTIFICIAL INTERVERTEBRAL DISC IMPLANT: A FINITE ELEMENT STUDY	Journal of Mechanics in Medicine and Biology	-	-	0.4	5	SCI	2019	0.86	<a href="#">Click</a>
141	Kannan T.D.B., Tutta G., Sathiya P., Ramesh T.	Post weld heat treatment of nitinol shape memory alloy using laser power source	Surface Review and Letters	-	-	0.359	0	SCI	2019	0.84	<a href="#">Click</a>
142	Park Se-Jina., Subramaniyam Murali., Lee Kyung-Sun., Lee Hee-Ran., Min Seung-Name	Investigation of a strategy for improving the Size Korea anthropometric database	Work	62	1	0.649	2	SCI	2019	0.77	<a href="#">Click</a>
143	Murugesan, R.; Gopal, M.; Murali, G.	Influence of ball milling time on structural stability and distribution of CNTs in aluminium matrix composites	JOURNAL OF CERAMIC PROCESSING RESEARCH	20	5	0.261	0	SCI	2019	0.47	<a href="#">Click</a>
144	Mahato N.K., Dhason R., Ram D.R.	Quantifying range of motion and stress patterns at the transitional lumbosacral junction: Pilot study using a computational	International Journal of Spine Surgery	13	1		0	Scopus	2019	0	<a href="#">Click</a>

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146	Sekhar S.C., Karuppasamy K., Sathyamurthy R., Elkelawy M., Bastawissi H.A.E.D., Paramasivan P., Sathiyamoorthy K., Edison P.	Emission analysis on compression ignition engine fueled with lower concentrations of Pithecellobium dulce biodiesel-diesel blends	Heat Transfer - Asian Research	48	1	0.43	13	Scopus	2019	0	<a href="#">Click</a>
147	S Madhavan., M Kamaraj., B Arivazhagan	Effect of Applied Energy on the Microstructure, Texture, and Mechanical Properties of Short-Circuit Metal Inert Gas-Welded Modified Cr-Mo Steel Joints	Metallography, Microstructure, and Analysis	-	-	0.613	0	Scopus	2019	0	<a href="#">Click</a>
148	Chakraborty S., Das P., Kaveti N.K., Chattopadhyay P.P., Datta S.	MCDM towards knowledge incorporation in ANN models for phase transformation in continuous cooling of steel	Multidiscipline Modeling in Materials and Structures	15	1	0.427	4	Scopus	2019	0	<a href="#">Click</a>
149	Parida S., Mohanty S.C.	Vibration analysis of FG rotating plate using nonlinear-FEM	Multidiscipline Modeling in Materials and Structures	15	1	0.427	1	Scopus	2019	0	<a href="#">Click</a>
150	R. S. Nakandhrakumar., D. Dinakaran., J. Pattabiraman., M. Gopal	Tool flank wear monitoring using torsional axial vibrations in drilling	Production Engineering	13	1	0.918	6	Scopus	2019	0	<a href="#">Click</a>
151	Jitendra Kumar Katiyar., Vinay Kumar Patel	Physico-Tribo-Mechanical and Adhesion Behaviour of Plasma Treated Steel and Its Alloys: A Critical Review	Reviews of Adhesion and Adhesives	7	1	0.799	4	Scopus	2019	0	<a href="#">Click</a>

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152	Katiyar, J.K., Sinha, S.K., Hirayama, T., Kumar, A.	Tribological analysis of tip-cantilever made of SU-8, talc and PFPE composite	Tribology - Materials, Surfaces and Interfaces	-	-	0.667	0	Scopus	2019	0	<a href="#">Click</a>
153	Ambigai R., Prabhu S.	Experimental and ANOVA analysis on tribological behavior of Al/B4C micro and nanocomposite	Australian Journal Of Mechanical Engineering	-	-	0.386	7	Scopus	2019	0	<a href="#">Click</a>
154	Prabhu S., Ambigai R., Vinayagam B.K.	Thermal and surface analysis of copperâ€‘CNT and copperâ€‘graphene-based composite using Taguchiâ€‘Grey relational analysis	Australian Journal of Mechanical Engineering	-	-	0.386	1	Scopus	2019	0	<a href="#">Click</a>
155	Singh Sivam S.P.S., Rajasekaran A., RajendraKumar S., SathiyaMoorthy K., Gopal M.	A study of cooling time, copper reduction and effects of alloying elements on the microstructure and mechanical properties of SG iron casting during machining	Australian Journal Of Mechanical Engineering	-	-	0.386	13	Scopus	2019	0	<a href="#">Click</a>
156	Angeline Kirubha S.P., Rajput A.	Enhancement of thermal imaging by iron oxide nanoparticle â€‘ Preliminary study	Biocatalysis and Agricultural Biotechnology	17	-	0.862	4	Scopus	2019	0	<a href="#">Click</a>
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158	Rajan L., Nambiar S., Ayyanar C., Verma A., Raj S.S.	Design and comparative analysis of non-pneumatic tires for a tractor	International Journal of Innovative Technology and Exploring Engineering	8	7	0.055	0	Scopus	2019		<a href="#">Click</a>
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162	Loganathan G.B., Kalyan Kumar S., Sundar Singh Sivam S.P., Saravanan K., Rajendrakumar S.	Experimental investigation and optimization of wire cut EDM parameters for performance measures of heat treated SS304: Ranking algorithm and anova approach	International Journal of Recent Technology and Engineering	7	6	0.012	0	Scopus	2019		<a href="#">Click</a>
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167	Ijas Ahmed M., Nagadeepak M.V.S., Vignesh R., Gangadhara Kiran Kumar L.	Dehumidification performance of LiCl in falling film type liquid desiccant dehumidifier	International Journal of Engineering and Advanced Technology	8	6		0	Scopus	2019		<a href="#">Click</a>

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170	Sai Kiran J.R.V., Prasad Sodisetty V.N.B.	Simulation and experimental research on robot drilling	International Journal of Recent Technology and Engineering	8	-	0.012	0	Scopus	2019		<a href="#">Click</a>
171	Senthil R.	Study on solar absorber integrated with thermal energy storage for process heating	International Journal of Scientific and Technology Research	8	8		1	Scopus	2019		<a href="#">Click</a>
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173	Sengolerayan, A., Chakraborty, P., Mandal, D.K.	Design and fabrication of three-way catalytic converter by using Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> coating as acatalyst and access of emission characteristics in C.I. engine	International Journal of Innovative Technology and Exploring Engineering	8	12	0.055	0	Scopus	2019		<a href="#">Click</a>
174	Kumar, V., Chakraborty, P.S., Mandal, D.K.	Performance and emission test on a CI engine by using algae oil as an alternative fuel	International Journal of Innovative Technology and Exploring Engineering	8	12	0.055	0	Scopus	2019		<a href="#">Click</a>
175	Prasad, A.R., Dinesh Kumar, S.K., Banu, T.V., Vignesh, T., Aatthisugan, I.	Synthesis and thermal energy storage analysis of copper oxide nano fluid for heat transfer applications	International Journal of Innovative Technology and Exploring Engineering	8	11	0.055	1	Scopus	2019		<a href="#">Click</a>

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177	Manikandan G., Srinath R., Jaiswal A., Naramshettiwar A., Malik S.	Fabrication and analysis of EPDM-buffing dust composite	International Journal of Innovative Technology and Exploring Engineering	9	1	0.055	0	Scopus	2019		<a href="#">Click</a>
178	Balaji M.A., Rayan A.S., Kumar V.	Performance and emission test using biobutanol on a CI engine	International Journal of Innovative Technology and Exploring Engineering	9	1	0.055	0	Scopus	2019		<a href="#">Click</a>
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184	Sundar Singh Sivam S.P., Loganathan G.B., Saravanan K., RajendraKumar S.	Multi-response enhancement of drilling process parameters for AM 60 magnesium alloy as per the quality characteristics utilizing taguchi-ranking algorithm and ANOVA	International Journal of Innovative Technology and Exploring Engineering	8	4	0.055	3	Scopus	2019		<a href="#">Click</a>
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223	Indra Reddy M., Sahu R.K., Anil Kumar M., Rama Bhadri Raju Ch.	Study on Mechanical properties of jute/ Pineapple leaf fiber reinforced polymer (FRP) composite	AIP Conference Proceedings	2142	1	0.385	0	Scopus	2019		<a href="#">Click</a>
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231	Bhaumik S., Maggirwar R., Datta S., Pathak S.D.	Analyses of anti-wear and extreme pressure properties of castor oil with zinc oxide nano friction modifiers	Applied Surface Science	449		1.326	43	SCI	2018	6.18	<a href="#">Click</a>
232	S LOGANATHAN., M LEENUS JESU MARTIN., B NAGALINGAM., L PRABHU	Heat release rate and performance simulation of DME fuelled diesel engine using oxygenate correction factor and load correction factor in double Wiebe function	Energy			1.822	10	SCI	2018	6.08	<a href="#">Click</a>
233	Mathan Raj V., Ganapathy Subramanian L.R., Thiyagarajan S., Edwin Geo V.	Effects of minor addition of aliphatic (1-pentanol) and aromatic (benzyl alcohol) alcohols in Simarouba Glauca-diesel blend fuelled CI engine	Fuel	234	-	2.012	21	SCI	2018	5.58	<a href="#">Click</a>
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239	Sen M., Mukherjee M., Singh S.K., Pal T.K.	Effect of double-pulsed gas metal arc welding (DP-GMAW) process variables on microstructural constituents and hardness of low carbon steel weld deposits	Journal of Manufacturing Processes	31		2.118	25	SCI	2018	4.09	<a href="#">Click</a>
240	Geo V.E., Sonthalia A., Aloui F., Femilda Josephin J.S.	Study of engine performance, emission and combustion characteristics fueled with diesel-like fuel produced from waste engine oil and waste plastics	Frontiers of Environmental Science and Engineering	12	4	1.037	10	SCI	2018	4.05	<a href="#">Click</a>
241	Ponnuchamy M.B., Muralikrishna G.M., Mannava V.R., Srinivas Reddy G.	Preparation of nanocrystalline nickel oxide from nickel hydroxide using spark plasma sintering and inverse Hall-Petch related densification	Ceramics International	-	-	1.279	7	SCI	2018	3.83	<a href="#">Click</a>
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243	Singh S.K., Raushan P.K., Debnath K.	Combined effect of wave and current in rough bed free surface flow	Ocean Engineering	160	-	2.242	18	SCI	2018	3.07	<a href="#">Click</a>
244	Raushan P.K., Singh S.K., Debnath K., Mukherjee M., Mazumder B.S.	Distribution of turbulent energy in combined wave current flow	Ocean Engineering	167	-	2.242	1	SCI	2018	3.07	<a href="#">Click</a>
245	MAHALINGAM A., MUNUSWAMY D B., DEVARAJAN Y., RADHAKRISHNAN S	Emission and performance analysis on the effect of exhaust gas recirculation in alcohol-biodiesel aspirated research diesel engine	Environmental Science and Pollution Research			1.032	117	SCI	2018	3.06	<a href="#">Click</a>

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248	Chauhan M.K., Dutta S., More B.S., Gandhi B.K.	Experimental investigation of flow over a square cylinder with an attached splitter plate at intermediate reynolds number	Journal of Fluids and Structures	76	-	2.358	21	SCI	2018	2.84	<a href="#">Click</a>
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250	Awasthi S., Pal V.K., Choudhury S.K.	Effect of surface modifications by abrasive water jet machining and electrophoretic deposition on tribological characterisation of Ti6Al4V alloy	International Journal Of Advanced Manufacturing Technology	-	-	1.596	3	SCI	2018	2.63	<a href="#">Click</a>
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253	Mahalingam A., Devarajan Y., Radhakrishnan S., Vellaiyan S., Nagappan B.	Emissions analysis on mahua oil biodiesel and higher alcohol blends in diesel engine	Alexandria Engineering Journal	-	-	1.984	151	SCI	2018	2.46	<a href="#">Click</a>
254	Mathan Raj V., Ganapathy Subramanian L.R., Manikandaraja G.	Experimental study of effect of isobutanol in performance, combustion and emission characteristics of CI engine fuelled with cotton seed oil blended diesel	Alexandria Engineering Journal	-	-	1.984	6	SCI	2018	2.46	<a href="#">Click</a>

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256	Singh S.K., Raushan P.K., Debnath K.	Turbulent characteristics of pulsating flow over hydraulically smooth surface	European Journal of Mechanics, B/Fluids	68	-	1.179	14	SCI	2018	2.13	<a href="#">Click</a>
257	PANDIAN A K., MUNUSWAMY D B., RADHAKRISHNAN S., DEVARAJAN Y., RAMAKRISHNAN R B B., NAGAPPAN B	Emission and performance analysis of a diesel engine burning cashew nut shell oil bio diesel mixed with hexanol	Petroleum Science			1.131	126	SCI	2018	2.1	<a href="#">Click</a>
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259	M Prakash - Journal of Composite	Investigation on the effect of drilling parameters on the tool wear and delamination of glass fibre-reinforced polymer composite using vibration signal analysis	Journal of Composite Material	-	-	1.123	9	SCI	2018	1.97	<a href="#">Click</a>
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262	Kumar R.S., Jayavel S.	Forced Convective Air-Cooling Effect on Electronic Components of Different Geometries and Orientations at Flow Shedding Region	IEEE Transactions on Components, Packaging and Manufacturing Technology	8	4	1.236	3	SCI	2018	1.89	<a href="#">Click</a>

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264	Deepan Bharathi Kannan T., Pegada R., Sathiya P., Ramesh T.	A comparison of the effect of different heat treatment processes on laser-welded NiTiInol sheets	Journal of the Brazilian Society of Mechanical Sciences and Engineering	40	12	0.87	3	SCI	2018	1.76	<a href="#">Click</a>
265	Devrani S., Tiwari R.K., Sharma R., Rajesh M.P., Kapoor A.	Characterization of the drag-reducing nature of long-chain polymerâ€”water solutions through atomization	International Journal of Polymer Analysis and Characterization	-	-	0.928	0	SCI	2018	1.72	<a href="#">Click</a>
266	I INFANATA MARY PRIYA., B K VINAYAGAM	Investigation of Drilling Parameters Using Grey Relational Analysis and Response Surface Methodology of Biaxial Glass Fibre Reinforced with Modified Epoxy Resin Composite	International Journal of Polymer Science	2018	-	0.81	5	SCI	2018	1.65	<a href="#">Click</a>
267	Mahalingam A., Munuswamy D.B., Devarajan Y., Radhakrishnan S.	Investigation on the emission reduction technique in acetone-biodiesel aspirated diesel engine	Journal of Oil Palm Research	30	2	0.488	122	SCI	2018	1.56	<a href="#">Click</a>
268	Chaudhuri S., Singh S.K., Debnath K., Manik M.K.	Pier scour within long contraction in cohesive sediment bed	Environmental Fluid Mechanics	-	-	1.157	2	SCI	2018	1.51	<a href="#">Click</a>
269	Mohanta J.K., Singh Y., Mohan S.	Kinematic and dynamic performance investigations of asymmetric (U-shape fixed base) planar parallel manipulators	Robotica	36	8	1.026	4	SCI	2018	1.51	<a href="#">Click</a>
270	Selvam C., Mohan Lal D., Harish S.	Convective heat transfer behaviour of water-ethylene glycol-mixture with silver nanoparticles under laminar flow conditions	Journal of Mechanical Science and Technology	32	5	1.004	4	SCI	2018	1.35	<a href="#">Click</a>
271	Bharathi S.R.S., Rajeshkumar R., Rose A.R., Balasubramanian V.	Mechanical Properties and Microstructural Characteristics of Friction Welded Dissimilar Joints of Aluminium Alloys	Transactions Of The Indian Institute Of Metals	-	-	0.915	3	SCI	2018	1.21	<a href="#">Click</a>

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272	SARKAR T., MUKHERJEE M., PAL T K	Effect of Cu Addition on Microstructure and Hardness of As-Cast and Heat-Treated High-Cr Cast Iron	Transactions Of The Indian Institute Of Metals			0.915	6	SCI	2018	1.21	<a href="#">Click</a>
273	Min S.N., Park S.J., Kim D.J., Subramaniam M., Lee K.-S.	Development of an Algorithm for Stroke Prediction: A National Health Insurance Database Study in Korea	European Neurology	79	####	0.58	8	SCI	2018	1.18	<a href="#">Click</a>
274	Radhakrishnan S., Munuswamy D.B., Devarajan Y., Arunkumar T., Mahalingam A.	Effect of nanoparticle on emission and performance characteristics of a diesel engine fueled with cashew nut shell biodiesel	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	40	20	0.452	122	SCI	2018	1.18	<a href="#">Click</a>
275	Priya I.I.M., Vinayagam B.K.	Enhancement of bi-axial glass fibre reinforced polymer composite with graphene platelet nanopowder modifies epoxy resin	Advances in Mechanical Engineering	10	8	0.692	5	SCI	2018	1.16	<a href="#">Click</a>
276	S BASKAR., R RAJARAMAN	Thermal Management of Automotive Heat Exchanger Under Obstructed Cooling Airflow Path: A Case Study	Iranian Journal of Science and Technology, Transactions of Mechanical Engineering	-	-	0.561	2	SCI	2018	1.03	<a href="#">Click</a>
277	Santosh Kumar Singh., PANKAJ KUMAR RAUSHAN., Koustuv Debnath., Bijoy S. Mazumder	Turbulent oscillatory flow along unidirectional current over square ribs	Canadian Journal of Civil Engineering	-	-	0.734	12	SCI	2018	0.99	<a href="#">Click</a>
278	Josephin J.S.F., Geo V.E., Sonthalia A., Bharatiraja C., Aloui F.	Predicting the different engine parameters of a rubber seed oil-ethanol dual fuel engine using artificial neural networks	International Journal of Global Warming	16	4	0.518	0	SCI	2018	0.78	<a href="#">Click</a>
279	Singh R.K., Dixit A.R., Sharma A.K., Tiwari A.K., Mandal V., Pramanik A.	Influence of graphene and multi-walled carbon nanotube additives on tribological behaviour of lubricants	International Journal of Surface Science and Engineering	12	3	0.628	10	SCI	2018	0.61	<a href="#">Click</a>

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280	ADITYA SRIPADA., ABHISHEK WARRIER., ARPIT KAPOOR., HARSHIT GAUR., B HEMALATHA	Dynamic lateral balance of humanoid robots on unstable surfaces	2017 International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICECCOT)			0	47	Scopus	2018	0	<a href="#">Click</a>
281	S DASH., KP NAIK., SB SINGH., SK GUPTA	Thermal Design assessment for Propulsion Tank intended for small satellites in non-earthbound missions	2018 AIAA Aerospace Sciences Meeting	-	-	0	0	Scopus	2018	0	<a href="#">Click</a>
282	UDAY KRISHNA RAVELLA., ANIL MIDATHADA., AKSHAY RAKESH DEVIKAR., RANJEETH KUMAR KASALA., SAMEER KUMAR RAI., PERUMAL VARALAKSHMI., VAIRATHEVAR SIVASAMY VASANTHA	Microstructure, corrosion and cytotoxicity analysis of novel biodegradable Mg-Zn-Ca/HA alloys/composites for future biomedical applications	2018 Advances in Science and Engineering Technology International Conferences (ASET)	-	-	0	0	Scopus	2018	0	<a href="#">Click</a>
283	Park S.J., Subramaniyam M., Min S.N., Kim S.E., Kim S.	Precision and repeatability analysis of a motion analysis system for traction therapy	International Journal of Engineering and Technology(UAE)	7	2	0	0	Scopus	2018	0	<a href="#">Click</a>
284	S P SUNDAR SINGH SIVAM., S RAJENDRAKUMAR., A RAJASEKARAN., SATHIYAMOORTHY KARUPPIAH	Prediction Model of Setting Input Parameters for Turning Operation TI-6AL-4V by Fuzzy Rule based Modeling	2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)	-	-	0	1	Scopus	2018	0	<a href="#">Click</a>
285	Subramaniyam M., Kim S.E., Min S.N., Lee H., Hong S.H., Park S.J.	Study of effects of blood alcohol consumption (BAC) level on drivers physiological behavior and driving	International Journal of Engineering and Technology(UAE)	7	2	0	0	Scopus	2018	0	<a href="#">Click</a>

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		performance under simulated environment									
286	S P S S SIVAM., S RAJENDRAKUMAR., S KARUPPIAH., A RAJASEKARAN., K SARAVANAN	Automatic variant selection of gearbox coupling flange – Manufacturing execution systems integration and intelligence	2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)	-	-	0	0	Scopus	2018	0	<a href="#">Click</a>
287	CHAND D S., BARARA D., GANESH G., ANAND S	Comparison of Efficiency of Conventional Shaped Circular and Elliptical Shaped Combustor	MATEC Web of Conferences	151	-	0.318	0	Scopus	2018	0	<a href="#">Click</a>
288	Sivam S.P.S.S., Rajendrakumar S., Karuppiyah S., Rajasekaran A.	Competitive study of engineering change process management in manufacturing industry using product life cycle management - A case study	Proceedings of the International Conference on Inventive Computing and Informatics, ICICI 2017	-	-	0	18	Scopus	2018	0	<a href="#">Click</a>
289	Rajaraman R., Gowsalya L.A., Velraj R.	Interfacial heat transfer coefficient estimation during solidification of rectangular aluminum alloy casting using two different inverse methods	Frontiers in Heat and Mass Transfer	11	23	0.55	4	Scopus	2018	0	<a href="#">Click</a>
290	Sriharikota Chandra Sekhar., Karuppasamy Karuppasamy., Ravishankar Sathyamurthy., Medhat Elkelawy., Hagar Alm El Din Bastawissi., Paulraj Paramasivan., Karuppiyah Sathiyamoorthy., Pandian Edison	Emission analysis on compression ignition engine fueled with lower concentrations of Pithecellobium dulce biodiesel – diesel blends	Heat Transfer Asian Research	48	1	0.43	3	Scopus	2018	0	<a href="#">Click</a>

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291	Radhakrishnan S., Yuvaraj R., Premnath D.	Emission characteristics of a CI engine using preheated CNSL oil & diesel blends and ethanol fumigation	International Journal of Ambient Energy	-	-	0.627	0	Scopus	2018	0	<a href="#">Click</a>
292	SACHUTHANANTHAN B., BALAJI G., KRUPAKARAN R L	Experimental exploration on NOx diminution by the combined effect of antioxidant additives with SCR in a diesel engine powered by neem biodiesel	International Journal of Ambient Energy	-	-	0.627	6	Scopus	2018	0	<a href="#">Click</a>
293	Balaji G., Suresh Kumar K., Cheralathan M.	Experimental mitigation of NOx emission in exhaust gases of CI engine fuelled with methyl ester of cottonseed oil blend	International Journal of Ambient Energy	-	-	0.627	1	Scopus	2018	0	<a href="#">Click</a>
294	SANTOSH SINGH., KOUSTUV DEBNATH	A numerical investigation of slip flow through circular micro-channel	International Journal of Fluid Mechanics Research	-	-	0.522	0	Scopus	2018	0	<a href="#">Click</a>
295	BABY B., PRASANTH N., JEBADURAI D S	Implementation of lean principles to improve the operations of a sales warehouse in the manufacturing industry	International Journal of Technology	9	1	1.395	7	Scopus	2018	0	<a href="#">Click</a>
296	Nakandhrakumar R.S., Dinakaran D., Pattabiraman J., Gopal M.	Tool flank wear monitoring using torsional&acirc;axial vibrations in drilling	Production Engineering	-	-	0.918	1	Scopus	2018	0	<a href="#">Click</a>
297	Prabhu S., Ambigai R., Vinayagam B.K.	Performance analysis of AlTiN/AlCrN coating on cemented carbide cutting tool using fuzzy logic analysis	Australian Journal Of Mechanical Engineering	-	-	0.386	2	Scopus	2018	0	<a href="#">Click</a>
298	Kirubha S.P.A., Anburajan M., Venkataraman B., Menaka M.	A case study on asymmetrical texture features comparison of breast thermogram and mammogram in normal and breast cancer subject	Biocatalysis and Agricultural Biotechnology	15	-	0.862	3	Scopus	2018	0	<a href="#">Click</a>
299	Gnanavel S., Ponnusamy S., Mohan L.	Biocompatible response of hydroxyapatite coated on near- $\hat{I}^2$ titanium alloys by E-beam evaporation method	Biocatalysis and Agricultural Biotechnology	15	-	0.862	6	Scopus	2018	0	<a href="#">Click</a>
300	Senthil R., Sundaram P., Kumar M.	Experimental investigation on packed bed thermal energy storage using paraffin wax for concentrated solar collector	Materials Today: Proceedings	5	2	0.576	7	Scopus	2018	0	<a href="#">Click</a>

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301	BHARATHI S R S., RAJESHKUMAR R., ROSE A R., BALASUBRAMANIAN V	Mechanical Properties and Microstructural Characteristics of Friction Welded Dissimilar Joints of Aluminium Alloys	Materials Today: Proceedings	5	2	0.576	3	Scopus	2018	0	<a href="#">Click</a>
302	M SURESH., C AYYANAR., P V ARUNRAJ., M RAJMADHAN	Modeling and Creep Strain Analysis of Aluminum Alloy 6061-T6 by Creep Tensile Test	Materials Today: Proceedings	5	6	0.576	1	Scopus	2018	0	<a href="#">Click</a>
303	J SANTHAKUMAR., U MOHAMMED IQBAL., M PRAKASH	Taguchi-Grey Relational Based Multi-Response Optimization on the Performance of Tool Coating Thickness in Pocket Milling	Materials Today: Proceedings	5	5	0.576	4	Scopus	2018	0	<a href="#">Click</a>
304	Kamatchi Hariharan M., Thamilarasu S., Anderson	Investigation on effect of tin coated and uncoated HSS tools for machining AA6061	International Journal of Mechanical and Production Engineering Research and Development	8	3	0	0	Scopus	2018	0	<a href="#">Click</a>
305	Dharmalingam G., Kumar V., Sengolerayan A.	Mechanical behaviour of treated and untreated sisal-kenaf hybrid composite materials	International Journal of Mechanical and Production Engineering Research and Development	8	3	0	0	Scopus	2018	0	<a href="#">Click</a>
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307	Ganesh S., Vetrivezhan P., Vinothkumar K.	Comparing impact behavior of natural fiber with termite mound and egg shell filler added reinforced composite	International Journal of Mechanical and Production Engineering Research and Development	8	3	0	0	Scopus	2018	0	<a href="#">Click</a>

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308	SENTHIL R., ARAAVIND S., GHOSH N	Optimization techniques for solar photovoltaic-wind turbine hybrid energy systems	International Journal of Mechanical Engineering and Technology	9	1	0.119	3	Scopus	2018		<a href="#">Click</a>
309	Karthik S., John J.S., Mohammed Ali H., Sekar S.	Enhancement of reliability of work cell in a metal manufacturing company: A case study	International Journal of Mechanical Engineering and Technology	9	5	0	0	Scopus	2018		<a href="#">Click</a>
310	Priya I.M., Vinayagam B.K.	Fem simulation of Bi-Axial non crimp glass fibre reinforced epoxy composite under tensile and compression mode	International Journal of Mechanical Engineering and Technology	9	4	0	0	Scopus	2018		<a href="#">Click</a>
311	Muralidharan S., Ranol roy I., Sujith N., Hariharan M., Surana S.	Influence of wire-edm conditions on wire wear ratio and form error in machining magnesium composite	International Journal of Mechanical Engineering and Technology	9	4	0	0	Scopus	2018		<a href="#">Click</a>
312	Sudhan B.A., Aravindan S., Kumar S.A.	Review on concentrated solar power technologies with thermal energy storage	International Journal of Mechanical Engineering and Technology	9	6	0	1	Scopus	2018		<a href="#">Click</a>
313	Premnath D., Balaji G., Hemalatha K., Ganapathy Subramanian L.R.	Study of solidification characteristics in a metallic spherical capsule using extended surfaces	International Journal of Mechanical Engineering and Technology	9	5	0	0	Scopus	2018		<a href="#">Click</a>
314	Aravindan S., Giridharan N., Amirdesh Sudhan B.	The recent trends in optimization of thermal performance of parabolic trough solar collector	International Journal of Mechanical Engineering and Technology	9	5	0	3	Scopus	2018		<a href="#">Click</a>
315	SENTHIL R., GUPTA M., MAKDA S	The synthesis and production challenges of quantum dot based solar cells	International Journal of Mechanical Engineering and Technology	9	3	0.119	0	Scopus	2018		<a href="#">Click</a>

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316	Murugesan R., Baskar B., Veeranaath V.	Demand capturing mechanism in SAP	International Journal of Mechanical Engineering and Technology	9	5	0	0	Scopus	2018		<a href="#">Click</a>
317	SENTHIL R., SUNDARAM P	Effective utilization of parabolic dish solar collectors for the heating and thermo-electric power generation	International Journal of Mechanical Engineering and Technology	9	2	0.119	6	Scopus	2018		<a href="#">Click</a>
318	Goyal S., Gupta V., Sharma S., Sharma H.	Effect of edm process parameters on material removal rate, surface roughness & tool wear rate	International Journal of Mechanical Engineering and Technology	9	4	0	2	Scopus	2018		<a href="#">Click</a>
319	Rauniyar A., Roy D., Pandit P., Atpadkar V.	Design Model for the Drive and Actuator of the Test Set-Up of a Novel Flexible Robotic System	2018 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2018	-	-		0	Scopus	2018		<a href="#">Click</a>
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321	Bhattacharjee P., Kathirvelu D., Vinupritha P.	A Computer Aided System to Measure Mandibular Cortical Width on Dental Radiograph in Prediction of Osteoporosis	Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018	-	-	0	0	Scopus	2018		<a href="#">Click</a>
322	Saleh M.M., Parasuraman S., Deisy C., Padmavathy S., Kingsly D., Singh J., Ahamed Khan M.K.A.	Effects of Aging on Human Gait Stability	2017 IEEE International Conference on Computational Intelligence and	-	-	0	0	Scopus	2018		<a href="#">Click</a>

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323	Senthil R., Vivek Kumar K., Prasanth G., Shanmugam D., Manimaran V.	Heat transfer improvement by arrangement of cylindrical phase change material thermal storage	International Journal of Mechanical Engineering and Technology	9	10	0.119	0	Scopus	2018		<a href="#">Click</a>
324	Hardjasudjana A.W., Kosalishkwaran G., Parasuraman S., Elamvazhuthi I., Jeba Singh D.K., Deisy C., Padmavathy S.	Image Analysis of Spine and Related Mechanical Investigations	2017 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2017	-	-	0	0	Scopus	2018		<a href="#">Click</a>
325	Shrivastava N.V., Kumar R., Tiwari A.K., Tripathi D., Sharma V.R.	Investigation on loading-induced fluid flow in osteogenesis imperfecta bone	American Society of Mechanical Engineers, Fluids Engineering Division (Publication) FEDSM	1	-	0	0	Scopus	2018		<a href="#">Click</a>
326	SWADHI PRIYA M., SRI VIDHYA LAKSHMI S., ASHIF MOHAMMED A., JAYANTHI T	Non-invasive total hemoglobin measurement by forehead oximetry	International Journal of Engineering and Technology(UAE)	7	3.34 Special Issue 34	0.086	0	Scopus	2018		<a href="#">Click</a>
327	Oung Q.W., Basah S.N., Muthusamy H., Vijejan V., Lee H., Khairunizam W., Bakar S.A., Razlan Z.M., Ibrahim Z.	Objective Evaluation of Freezing of Gait in Patients with Parkinson's Disease through Machine Learning Approaches	2018 International Conference on Computational Approach in Smart Systems Design and Applications, ICASSDA 2018	-	-	0	2	Scopus	2018		<a href="#">Click</a>
328	Min S.-N., Kim D.-J., Subramaniam M.	Pilot test to build back-pain diagnosis support system	International Journal of Mechanical Engineering and	9	6	0.119	0	Scopus	2018		<a href="#">Click</a>

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			Technology								
329	Barkavi K., Senthil R.	Power management of thermoelectric generator in a parabolic dish solar collector	International Journal of Mechanical Engineering and Technology	9	6	0.119	5	Scopus	2018		<a href="#">Click</a>
330	Jayasankar S., Periyasamy V., Umapathy S., Pramanik M.	Raman Monte Carlo Simulation of Tooth Model with Embedded Sphere for Different Launch Beam Configurations	Proceedings of the 4th International Conference on Biosignals, Images and Instrumentation, ICBSII 2018	-	-	0	0	Scopus	2018		<a href="#">Click</a>
331	Harish S., Padmanabhan V.K., Shivram R., Jaishwin S.K.J., Naren A.	Recent advances of direct steam generation technology using concentrated solar collectors	International Journal of Mechanical Engineering and Technology	9	9	0.119	1	Scopus	2018		<a href="#">Click</a>
332	BALAJI A., YASWANTH KUMAR M., APARNA B., KARTHIK V	Automated stress detection using non invasive parameters and internet of things	International Journal of Engineering and Technology(UAE)	7	3.34 Special Issue 34	0.086	0	Scopus	2018		<a href="#">Click</a>
333	Deepika N., Vinupritha P., Kathirvelu D.	Classification of Lobar Pneumonia by Two Different Classifiers in Lung CT Images	Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018	-	-	0	3	Scopus	2018		<a href="#">Click</a>
334	Sivam S.P.S.S., Saravanan K., Pradeep N., RajendraKumar S., Karuppiyah S.	Comparison of manufacturing data analysis for 5 & 3-Axis Vertical Machining Center for the time and tool benefits of industries	International Journal of Engineering and Technology(UAE)	7	4	0.086	13	Scopus	2018		<a href="#">Click</a>

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335	Sivam S.P.S.S., Saravanan K., Pradeep N., Rajendra Kumar S., Mathur S., Dingankar U., Arora A.	Development of vibrator feeding mechanism using two sets of rollers for the separation of Ball Grading for industry benefits	International Journal of Engineering and Technology(UAE)	7	4	0.086	14	Scopus	2018		<a href="#">Click</a>
336	S P SUNDAR SINGH SIVAM., MRINAL DEEPAK JI BHAT., SHASHANK NATARAJAN., NISHANT CHAUHAN	ANALYSIS OF RESIDUAL STRESSES, THERMAL STRESSES, CUTTING FORCES AND OTHER OUTPUT RESPONSES OF FACE MILLING OPERATION ON	International Journal of Modern Manufacturing Technologies	10	1	1.083	26	Scopus	2018		<a href="#">Click</a>
337	SUNDAR SINGH SIVAM S P., KUMARAN D., SARAVANAN K., UMASEKAR V G., RAJENDRAKUMAR S., MOORTHY K S	Thickness distribution and numerical modelling of conventional superplastic forming in AA2024 alloy	International Journal of Modern Manufacturing Technologies	10	2	1.083	12	Scopus	2018		<a href="#">Click</a>
338	SAMSON R M., RAJ A C A., GEETHAPRIYAN T., SENKATHIR S., MUTHIYA S J	Optimization of machining parameters on electrochemical micro machining of Hastelloy C22 using grey Taguchi method	International Journal Of Vehicle Structures And Systems	10	2	0.42	0	Scopus	2018		<a href="#">Click</a>
339	Singh S.K., Debnath K.	Discussion of Boundary layer development over non-uniform sand rough bed channel, by Anurag Sharma and Bimlesh Kumar (2017)*	Ish Journal Of Hydraulic Engineering	-	-	0.856	2	Scopus	2018		<a href="#">Click</a>
340	Singh S.K., Raushan P.K., Debnath K., Mukherjee M., Mazumder B.S.	Turbulence characteristics in boundary layers over a regular array of cubical roughness	ISH Journal of Hydraulic Engineering	-	-	0.856	0	Scopus	2018		<a href="#">Click</a>
341	SUBRATA SAHA., JAYANTA KR BISWAS., SANDIPAN ROY., SANTANU MAJUMDER., SANTANU KR KARMAKAR., AMIT ROYCHOWDHURYA	Artificial Intervertebral Disc Replacement to Provide Dynamic Stability to the Lumbar Spine: A Finite Element Study	Journal of Long-Term Effects of Medical Implants	28	2	0.179	0	Scopus	2018		<a href="#">Click</a>

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343	GOKUL K., RAJASEKARAN T	Effect of water absorption on tensile properties of sugarcane fiber reinforced polyester composites filled with coconut shell filler	Journal of Mines, Metals and Fuels	2018	Special Issue PartII	0.06	0	Scopus	2018		<a href="#">Click</a>
344	Senthil R.	Enhancement of heat absorption of parabolic dish solar receiver using tapered surface cavities	Jp Journal Of Heat And Mass Transfer	15	2	0.38	7	Scopus	2018		<a href="#">Click</a>
345	Geethapriyan T., Samson R.M., Thavamani J., Arun Raj A.C., Pulagam B.R.	Experimental investigation of electrochemical micro-machining process parameters on stainless steel 316 using sodium chloride electrolyte	Lecture Notes in Mechanical Engineering	PartF7	-	0.212	2	Scopus	2018		<a href="#">Click</a>
346	Geethapriyan T., Muthuramalingam T., Vasanth S., Thavamani J., Srinivasan V.H.	Influence of nanoparticles-suspended electrolyte on machinability of stainless steel 430 using electrochemical micro-machining process	Lecture Notes in Mechanical Engineering	PartF7	-	0.212	2	Scopus	2018		<a href="#">Click</a>
347	Geethapriyan T., Lakshmanan P., Prakash M., Iqbal U.M., Suraj S.	Influence of tool electrodes on machinability of stainless steel 420 using electrochemical micromachining process	Lecture Notes in Mechanical Engineering	PartF7	-	0.212	0	Scopus	2018		<a href="#">Click</a>
348	Anil Kumar H.M., Venkata Raman V., Shanmughanathan S.P., John J., Mohammed Iqbal U.	Optimization of dissimilar friction stir welding process parameters of AA5083-H111 and AA6082-T6 by CCD-RSM technique	Lecture Notes in Mechanical Engineering	PartF7	-	0.212	1	Scopus	2018		<a href="#">Click</a>
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350	Manoj Samson R., Geethapriyan T., Senkathir S., Ashok A., Rajesh A.	Optimization of machining parameters on laser beam machining of titanium alloy (Ti 3Al-2.5V) using taguchi method	Lecture Notes in Mechanical Engineering	PartF7	-	0.212	3	Scopus	2018		<a href="#">Click</a>

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352	Geethapriyan T., Manoj Samson R., Arun Raj A.C., Senkathi S., Gunasekar C.	Parametric optimization of abrasive water jet machining process on inconel 600 using two different abrasive grain sizes	Lecture Notes in Mechanical Engineering	PartF7	-	0.212	1	Scopus	2018		<a href="#">Click</a>
353	SP SUNDAR SINGH SIVAM., SATHIYA MOORTHY KARUPPAIAH., BHASKAR KARTHIK YEDIDA., JAI RAM ATLURI., SHUBHANG MATHUR	Multi Response Optimization of Setting Input Variables for Getting Better Product Quality in Machining of Magnesium AM60 by Grey Relation Analysis and ANOVA	Periodica Polytechnica Mechanical Engineering	62	2	0.946	35	Scopus	2018		<a href="#">Click</a>
354	SP SUNDAR SINGH SIVAM., KRISHNASWAMY SARAVANAN., NAGARAJ PRADEEP., KARUPPIAH SATHIYA MOORTHY., SANKARAPANDIAN RAJENDRAKUMAR	The Grey Relational Analysis and Anova to Determine the Optimum Process Parameters for Friction Stir Welding of Ti and Mg Alloys	Periodica Polytechnica Mechanical Engineering	-	-	0.946	14	Scopus	2018		<a href="#">Click</a>
355	Sivam S.S.S., Saravanan K., Pradeep N., Moorthy K.S., Rajendrakumar S.	Grey relational analysis and anova to determine the optimum process parameters for friction stir welding of Ti and Mg alloys	Periodica Polytechnica Mechanical Engineering	62	4	0.946	31	Scopus	2018		<a href="#">Click</a>
356	Vijaya A., Subramanian G.	Relevance of constant intensity distribution to contouring reflecting plates with Intensity Integration Technique	ARPN Journal of Engineering and Applied Sciences	13	24	0.483	0	Scopus	2018		<a href="#">Click</a>
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361	Arockia Julias A., Rajaraman R., Murali V.	Effect of fiber orientation on the delamination behaviour of glass-carbon hybrid interface	International Journal of Mechanical and Production Engineering Research and Development	8	3	0.021	0	Scopus	2018		<a href="#">Click</a>
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365	CHAURASIYA R K., AGARWAL P., CHAWLA A., SHARMA S	Thermodynamic analysis for performance improvement of power plant by flue gas heat recovery system	International Journal of Mechanical and Production Engineering Research and Development	8	1	0.021	1	Scopus	2018		<a href="#">Click</a>
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450	V PRAVEENA., N S ASWIN., R VISHNU BALAJI., S SRIKRISHNA	Effect of combustion chamber geometries in biodiesel fueled CI engine: A comprehensive review	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>

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451	SARVAGYA TRIPATHI., PANKAJ KUMAR., UMA MAHESWARI	Inference on results obtained by experimenting to control speed and precise extension of a pneumatic cylinder in a cost-effective manner	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>
452	AATTHISUGAN., S MURALIDHARAN., SHUBHADEEP MAJUMDAR., A RAZAL ROSE., D SELWYN JEBADURAI	Wear and mechanical properties of Al-6% Cu-X% Mg alloy fabricated by powder metallurgy	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>
453	S DINESH., T RAJASEKARAN., M DHANASEKARAN., K VIGNESHWARAN	Experimental testing on mechanical properties of sandwich structured carbon fibers reinforced composites	IOP Conference Series: Materials Science and Engineering	-	-	0.531	4	Scopus	2018		<a href="#">Click</a>
454	DURAIVELAN D., MURUGESAN R., RAMPRASATH B	Investigation on strength of resistance spot welding joint of copper and brass using various filler materials	IOP Conference Series: Materials Science and Engineering	-	-	0.531	1	Scopus	2018		<a href="#">Click</a>
455	S SENTHILBABU., M THIRUVAZHAGAN., N SIDDHARTH	Prediction model for torque on drilling of metal matrix composites	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>
456	S OLIVER NESA RAJ., D KUMARAN., S P SUNDAR SINGH SIVAM	A comparative study on the mechanical properties, and formability of heat treated Dual-Phase DP 600 steel against the conventional SPFH 590 steel	IOP Conference Series: Materials Science and Engineering	-	-	0.531	2	Scopus	2018		<a href="#">Click</a>
457	TRINAYAN SUTRADHAR., E VIJAYARAGAVAN	Conceptual design of "S-39" aircraft carried submarine	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>
458	S VENKATESAN., P UDAYAKUMAR., G MANIKANDARAJA	Experimental investigation of CI engine performance and emissions characteristics of CI engine fuelled with different bio fuel "diesel blended fuel	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
459	V THIRUNAVUKKARASU., M CHERALATHAN	Experimental study on heat losses from external type receiver of a solar parabolic dish collector	IOP Conference Series: Materials Science and Engineering	-	-	0.531	0	Scopus	2018		<a href="#">Click</a>
460	MURALIDHARAN S., AATTHISUGAN I., TRIPATHI A., BARADIYA H., SINGH A	A study on machinability of polymer composite by abrasive water jet machining	IOP Conference Series: Materials Science and Engineering	402	1	0.531	2	Scopus	2018		<a href="#">Click</a>
461	RAVIKUMAR M., SUNDAR S	Automatic 3D modeling using visual programming	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
462	CHEWU C C E., MANOJ KUMAR V	Autonomous navigation of a mobile robot in dynamic indoor environments using SLAM and reinforcement learning	IOP Conference Series: Materials Science and Engineering	402	1	0.531	2	Scopus	2018		<a href="#">Click</a>
463	BUVANEASH D., STALIN JOHN M R	Brain robot interface using artificial neural network	IOP Conference Series: Materials Science and Engineering	402	1	0.531	1	Scopus	2018		<a href="#">Click</a>
464	AKHIL A A., STALIN JOHN M R	Comparison between simulation and experimental results for drilling process in robot drilling and normal drilling machine	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
465	KAVEYA T., KUMAR PAL V	Control system for Mirco - EDM	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
466	GOKUL K., RAJASEKARAN T	Cutting force analysis on drilling parameters of sugarcane fibre reinforced polymer composite	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>

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467	VIJAYARAGAVAN E., BHAT S., PATEL A., RANA D	Design and analysis of a mobile robot for storage and retrieval system	IOP Conference Series: Materials Science and Engineering	402	1	0.531	1	Scopus	2018		<a href="#">Click</a>
468	PRASAD SODISETTY V N B., SUJITH REDDY A	Design and analysis of controlling the robotic fish	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
469	MATHIVANAN A., UDAIYAKUMAR K C., SWAMINATHAN G., KUMAR S D., MATHIVANAN A., UDAIYAKUMAR K C., VIJAYARAGAVAN E	Design and development of multi drop auto-walk	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
470	BHARATH VAMSI P., RAGAVENDRA RAO V	Design and fabrication of soft gripper using 3D printer	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
471	KAVIYARASAN S., INFANTA MARY PRIYA I	Design and fabrication of three finger adaptive gripper	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
472	SANDEEP NARAYANAN P., MANOJ KUMAR V., AROKYA AUGUSTIN S	Developing a transfer function based firmware for a gripper sensor	IOP Conference Series: Materials Science and Engineering	402	1	0.531	0	Scopus	2018		<a href="#">Click</a>
473	Abdul-Rani A.M., Aliyu A.A.A., Hastuty S., Ginta T.L., Rao T.V.V.L.N., Ali S.	Enhancing surface quality of Zr-Cu-Ni-Ti-Be through hydroxyapatite mixed EDM for potential orthopedic application	AIP Conference Proceedings	2035	-	0.385	5	Scopus	2018		<a href="#">Click</a>
474	Rajendrakumar S., Sivam S.P.S.S., Saravanan K., Sathiya Moorthy K., Kumaran D.	Multi-attribute decision making parametric optimization and modelling in friction stir welding through grey relation taguchi analysis and ANOVA: A case study	AIP Conference Proceedings	2034	-	0.385	0	Scopus	2018		<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
475	Aatthisugan I., Razal Rose A., Selwyn Jebadurai D.	Mechanical and wear behaviour of AZ91D magnesium matrix hybrid composite reinforced with boron carbide and graphite	Journal of Magnesium and Alloys	5	1	2.092	94	SCI	2017	7.12	<a href="#">Click</a>
476	CHAKRABORTY S., CHATTOPADHYAY P P., GHOSH S K., DATTA S	Incorporation of prior knowledge in neural network model for continuous cooling of steel using genetic algorithm	Applied Soft Computing Journal	58	-	2.369	21	SCI	2017	5.47	<a href="#">Click</a>
477	Dey S., Dey P., Datta S.	Design of novel age-hardenable aluminium alloy using evolutionary computation	Journal of Alloys and Compounds	704	-	1.386	14	SCI	2017	4.65	<a href="#">Click</a>
478	Subramanian G., Vijaya A.	Iterative Intensity Integration Technique (IIIT) for contouring reflective surfaces	Optics and Lasers in Engineering	93	-	2.242	5	SCI	2017	4.27	<a href="#">Click</a>
479	ANUJ KUMARSHARMA., RABESH KUMARSINGH., AMIT RAIDIXIT., ARUN KUMAR TIWARI	Novel uses of alumina-MoS <sub>2</sub> hybrid nanoparticle enriched cutting fluid in hard turning of AISI 304 steel	Journal of Manufacturing Processes	30	-	2.118	90	SCI	2017	4.09	<a href="#">Click</a>
480	MUKHERJEE M., PAL T K	Evaluation of microstructural and mechanical properties of Fe-16Cr-1Ni-9Mn-0.12N austenitic stainless steel welded joints	Materials Characterization	131	-	1.578	18	SCI	2017	3.56	<a href="#">Click</a>
481	TRIPATHY A., PRAMANIK S., MANNA A., RADZI Z., ABU OSMAN N A	Dielectric and AC conductivity studies of novel porous armalcolite nanocomposite-based humidity sensor	Journal of the American Ceramic Society	-	-	1.291	4	SCI	2017	3.5	<a href="#">Click</a>
482	KUMAR N., KUMAR N., BHAUMIK S., SEN A., SEN A., SHUKLA A P., SHUKLA A P., PATHAK S D	One-pot synthesis and first-principles elasticity analysis of polymorphic MnO <sub>2</sub> nanorods for tribological assessment as friction modifiers	RSC Advances	7	-	0.785	13	SCI	2017	3.12	<a href="#">Click</a>
483	S GOYAL., P DESAI., V SWAMINATHAN	Multi-Level Security Embedded with Surveillance System	IEEE Sensors Journal	-	-	1.709	11	SCI	2017	3.07	<a href="#">Click</a>
484	DEY S., DEY P., DATTA S	Rough-Fuzzy-GA-based design of Al alloys having superior cryogenic performance	Materials and Manufacturing Processes	-	-	1.762	6	SCI	2017	3.05	<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
485	AMBIGAI R., PRABHU S	Optimization of friction and wear behaviour of Al <sub>2</sub> O <sub>3</sub> -Si <sub>3</sub> N <sub>4</sub> nano composite and Al <sub>2</sub> O <sub>3</sub> -Gr <sub>2</sub> Si <sub>3</sub> N <sub>4</sub> hybrid composite under dry sliding conditions	Transactions of Nonferrous Metals Society of China (English Edition)	27	5	1.553	31	SCI	2017	2.62	<a href="#">Click</a>
486	PADHI S K., SAHU R K., MAHAPATRA S S., DAS H C., SOOD A K., PATRO B., MONDAL A K	Optimization of fused deposition modeling process parameters using a fuzzy inference system coupled with Taguchi philosophy	Advances in Manufacturing	5	3	1.424	25	SCI	2017	2.57	<a href="#">Click</a>
487	KISHORE PANDIAN A., MUNUSWAMY D B., DEVARAJAN Y., RADHAKRISHANA S., BATHEY RAMAKRISHNAN R B., NAGAPPAN B	Influence of an oxygenated additive on emission of an engine fueled with neat biodiesel	Petroleum Science	-	-	1.131	86	SCI	2017	2.1	<a href="#">Click</a>
488	PATHAK S D., BHAUMIK SHUBRAJIT., DATTA SHUBHABRATA	Analyses of Tribological Properties of Castor Oil With Various Carbonaceous Micro-and Nano-friction Modifiers	Journal of Tribology	139	6	1.29	32	SCI	2017	1.83	<a href="#">Click</a>
489	R Senthil; M Cheralathan	Effect of non-uniform temperature distribution on surface absorption receiver in parabolic dish solar concentrator	Thermal Science	21	5	0.854	43	SCI	2017	1.57	<a href="#">Click</a>
490	Balaji G., Cheralathan M.	Influence of alumina oxide nanoparticles on the performance and emissions in a methyl ester of neem oil fuelled Di diesel engine	Thermal Science	21	1B	0.854	9	SCI	2017	1.57	<a href="#">Click</a>
491	Senthil R., Cheralathan M.	Effect of the phase change material in a solar receiver on thermal performance of parabolic dish collector	Thermal Science	21	6	0.854	39	SCI	2017	1.57	<a href="#">Click</a>
492	MAHALINGAM A., NAGAPPAN B., RADHAKRISHNAN S., DEVARAJAN Y	Emissions analysis on diesel engine fueled with palm oil biodiesel and pentanol blends	Journal of Oil Palm Research	29	3	0.488	138	SCI	2017	1.56	<a href="#">Click</a>
493	PHUA SEONG HOCK., MKA AHAMED KHAN., D KINGSLY JEBA SINGH., S	Behaviour coordinations and motion synchronizations for humanoid robot	International Journal of Advanced Robotic Systems	14	5	0.86	2	SCI	2017	1.48	<a href="#">Click</a>

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	PARASURAMAN., CHIN YUN HAN										
494	SHANKAR E., STALIN JOHN M R., DEVANATHAN C., RAMYA G	Burnishing of Al (SiC)p metal matrix composites using TiAlN coated roller	Journal of Mechanical Science and Technology	31	7	1.004	0	SCI	2017	1.35	<a href="#">Click</a>
495	GOKUL K., PRABHU T R., RAJASEKARAN T	Processing and Evaluation of Mechanical Properties of Sugarcane Fiber Reinforced Natural Composites	Transactions Of The Indian Institute Of Metals	-	-	0.915	14	SCI	2017	1.21	<a href="#">Click</a>
496	Roy S., Das M., Chakraborty P., Kumar Biswas J., Chatterjee S., Khutia N., Saha S., Roy Chowdhury A.	Optimal selection of dental implant for different bone conditions based on the mechanical response	Acta of Bioengineering and Biomechanics	19	2	0.79	23	SCI	2017	0.97	<a href="#">Click</a>
497	THIRUNAVUKKARASU V., SORNANATHAN M., CHERALATHAN M	An experimental study on energy and exergy performance of a cavity receiver for solar parabolic dish concentrator	International Journal of Exergy	23	2	0.448	12	SCI	2017	0.96	<a href="#">Click</a>
498	DR T V V LAKSHMI NARASIMHA RAO	Stability evaluation of three-layered journal bearing with slip/partial slip	Industrial Lubrication and Tribology	-	-	0.993	2	SCI	2017	0.8	<a href="#">Click</a>
499	SENTHIL R., SUNDARAM P	Recent trends in the carbon capture and storage technologies	International Journal of Civil Engineering and Technology	8	10	0.153	0	Scopus	2017	0	<a href="#">Click</a>
500	Vijayaragavan E., Gopal T.V., Viswanath S.	Conceptual design of orthosis for clubfoot model developed using image reconstruction techniques	IFMBE Proceedings	58	-	0.121	0	Scopus	2017	0	<a href="#">Click</a>
501	GANDHINATHAN R., AMBIGAI R	Design and kinematic analysis of tethered guiding vehicle (TGV) for façade window cleaning	Proceedings of 2016 Online International Conference on Green Engineering and Technologies, IC-GET 2016	-	-	0	0	Scopus	2017	0	<a href="#">Click</a>

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502	SENTHIL R., SUNDARAM P	Effect of phase change materials for thermal management of buildings	International Journal of Civil Engineering and Technology	8	9	0.153	17	Scopus	2017	0	<a href="#">Click</a>
503	KAMALAKANNAN S R., AMBIGAI R	Analysis of modular biped wall climbing robot with high mobility and effective transit mechanism	Computer, Communication and Signal Processing (ICCCSP), 2017 International Conference	-	-	0	1	Scopus	2017	0	<a href="#">Click</a>
504	RAMALINGAM SENTHIL	EFFECT OF UNIFORM AND VARIABLE FIN HEIGHT ON CHARGING AND DISCHARGING OF PCM IN A HORIZONTAL CYLINDRICAL THERMAL STORAGE	International Conference on Precision, Micro, Meso and Nano Engineering			0	2	Scopus	2017	0	<a href="#">Click</a>
505	DR P BALAKRISHNAN	Pipe jet noise reduction using co-axial swirl pipe	The Aeronautical Journal	-	-	0	2	Scopus	2017	0	<a href="#">Click</a>
506	BALAJI G., CHERALATHAN M	Experimental investigation of varying the fuel injection pressure in a direct injection diesel engine fuelled with methyl ester of neem oil	International Journal of Ambient Energy	38	4	0.627	9	Scopus	2017	0	<a href="#">Click</a>
507	KUMAR V M., THIPESH D S H	Robot arm performing writing through speech recognition using dynamic time warping algorithm	International Journal of Engineering, Transactions B: Applications	30	8	0.563	5	Scopus	2017	0	<a href="#">Click</a>
508	Oliver Nesa Raj S., Prabhu S.	Modeling and analysis of titanium alloy in wire-cut EDM using Grey relation coupled with principle component analysis	Australian Journal Of Mechanical Engineering	-	-	0.386	18	Scopus	2017	0	<a href="#">Click</a>
509	SENTHIL R., NISHANTH A P	Optical and thermal performance analysis of solar parabolic concentrator	International Journal of Mechanical and Production Engineering Research and Development	7	5	0	15	Scopus	2017	0	<a href="#">Click</a>

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510	SENTHIL R., GUPTA M., RATH C	Parametric analysis of a concentrated solar receiver with Scheffler reflector	International Journal of Mechanical and Production Engineering Research and Development	7	5	0	21	Scopus	2017	0	<a href="#">Click</a>
511	SENTHIL R., CHERALATHAN M	Simultaneous testing of a parabolic dish concentrated PCM and non-PCM solar receiver	International Journal of Mechanical and Production Engineering Research and Development	7	6	0	18	Scopus	2017	0	<a href="#">Click</a>
512	BHARATH SUBRAMANIAM S	Operational study of circulating fluidized bed steam generator	International Journal of Mechanical and Production Engineering Research and Development	7	6	0	0	Scopus	2017	0	<a href="#">Click</a>
513	SAHU R K., HIREMATH S S	Synthesis of Aluminium Nanoparticles in A Water/Polyethylene Glycol Mixed Solvent using $\hat{1}$ / <sub>4</sub> -EDM	IOP Conference Series: Materials Science and Engineering	225	1	0.531	5	Scopus	2017	0	<a href="#">Click</a>
514	Mary Priya I.I., Vinayagam B.K.	Optimization of Tensile Process Parameters of Bi-Axial Glass Fibre Reinforced Epoxycomposite Using Taguchi Method	IOP Conference Series: Materials Science and Engineering	197	1	0.531	0	Scopus	2017	0	<a href="#">Click</a>
515	SENTHIL R	Recent developments in the design of high temperature solar receivers	International Journal of Mechanical Engineering and Technology	8	8	0.119	21	Scopus	2017		<a href="#">Click</a>
516	AHAMMED S R., MANOJ KUMAR V., BABU B., HARISH M S., HUSHIEN R	Robot arm control using image processing and matlab for simple writing by human gestures	International Journal of Mechanical Engineering and Technology	8	8	0.119	0	Scopus	2017		<a href="#">Click</a>

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517	Lakshman Kumar A., Balasivaramareddy K., Sathiskumar A., Kuthus N.	Stress analysis and optimization of engine mount	International Journal of Mechanical Engineering and Technology	8	6	0	1	Scopus	2017		<a href="#">Click</a>
518	PUSHPAKUMARAN S., BALAMURUGAN S	Stress distribution analysis of intact and implant model of humerus	International Journal of Mechanical Engineering and Technology	8	6	0.119	1	Scopus	2017		<a href="#">Click</a>
519	AATTHISUGAN I., VIGNESH KUMAR S., RAZAL ROSE A., SELWYN JEBADURAI D	Wear behaviour of am60 magnesium alloy with different load and sliding distance	International Journal of Mechanical Engineering and Technology	8	6	0.119	1	Scopus	2017		<a href="#">Click</a>
520	SENTHIL R., RATH C., GUPTA M	Enhancement of uniform temperature distribution on the concentrated solar receiver with integrated phase change material	International Journal of Mechanical Engineering and Technology	8	9	0.119	17	Scopus	2017		<a href="#">Click</a>
521	SENTHIL R., MUTHUVEERAN M., HARISH S M., KUMAR N R	Experimental investigation on a pcm integrated concentrated solar receiver for hot water generation	International Journal of Mechanical Engineering and Technology	8	9	0.119	15	Scopus	2017		<a href="#">Click</a>
522	KARTHIK S., MANIMARAN A., SEKAR S., SILKSON JOHN J	Optimizing maintenance strategy using simulation based AHP	International Journal of Mechanical Engineering and Technology	8	9	0.119	1	Scopus	2017		<a href="#">Click</a>
523	KUMAR A L., AATTHISUGAN I., MURALIDHARAN S., KARTHIKEYAN N	A study on machinability characteristic in end milling of magnesium composite	International Journal of Mechanical Engineering and Technology	8	6	0.119	11	Scopus	2017		<a href="#">Click</a>
524	Bharath Subramaniam S.	Clean coal technologies, challenges and future scope	International Journal of Mechanical Engineering and Technology	8	2	0	0	Scopus	2017		<a href="#">Click</a>

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525	Senthil R., Prabhu S., Cheralathan M.	Effect of heat transfer fluid input parameters on thermal output of parabolic dish solar receiver using design of experiment techniques	International Journal of Mechanical Engineering and Technology	8	8	0	15	Scopus	2017		<a href="#">Click</a>
526	RAMPRASATH B., DEORA B S., SHRIRAM R., MANKER A P	Effect of particle size on mechanical properties of SiC reinforced AZ91D magnesium composites	International Journal of Mechanical Engineering and Technology	8	8	0.119	1	Scopus	2017		<a href="#">Click</a>
527	BHARATH SUBRAMANIAM S	Air conditioner using exhaust gas of automobiles	International Journal of Mechanical Engineering and Technology	8	5	0.119	3	Scopus	2017		<a href="#">Click</a>
528	DINESH S., VIGNESHWARAN K., DHANASEKARAN M., KUMAR K	Experimental investigation of mechanical properties on multiwalled carbon nanotubes reinforced composites	International Journal of Mechanical Engineering and Technology	8	8	0.119	1	Scopus	2017		<a href="#">Click</a>
529	VIJAYA A., SUBRAMANIAN G., LAKSHMIPRIYA V S	Contouring reflective plates along a curved strip using the intensity integration technique: Experimentation and simulation	Journal of Applied Research and Technology	15	6	1.528	1	Scopus	2017		<a href="#">Click</a>
530	DOMMETI V K., RAO R	FEA analysis of Leaf spring by composite glass fibre epoxy reinforced with natural fiber material	International Journal of Mechanical Engineering and Technology	8	8	0.119	0	Scopus	2017		<a href="#">Click</a>
531	PRAVEENA V., VENKATESAN S., ANAND A., JAIN R M	Investigations on the effect of Mahua biofuel blends and load on performance and NOx emissions of diesel engine using response surface methodology	International Journal of Mechanical Engineering and Technology	8	8	0.119	3	Scopus	2017		<a href="#">Click</a>
532	HARISH M S., AHAMMED S R., HUSHIEN R., MANOJ KUMAR V., BABU B H	Optimized water pumping system using Arduino for home automation	International Journal of Mechanical Engineering and Technology	8	8	0.119	3	Scopus	2017		<a href="#">Click</a>
533	MURUGESAN R., KRISHNAN R	Prediction modelling for the remaining useful life of worn tool in turning of EN24 steel using regression and ANN	International Journal of Mechanical Engineering and	8	8	0.119	0	Scopus	2017		<a href="#">Click</a>

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			Technology								
534	SIVASHANKAR M., SUNDARAM P	Effect of humidity on passive space cooling in pot in pot chiller	International Journal of Mechanical Engineering and Technology	8	11	0.119	0	Scopus	2017		<a href="#">Click</a>
535	SENTHIL R., THYAGARAJAN K., SENGUTTUVAN P	Experimental study of a parabolic dish concentrated cylindrical cavity receiver with PCM	International Journal of Mechanical Engineering and Technology	8	11	0.119	15	Scopus	2017		<a href="#">Click</a>
536	SENTHIL R., SENGUTTUVAN P., THYAGARAJAN K	Experimental study on a cascaded pcm storage receiver for parabolic dish collector	International Journal of Mechanical Engineering and Technology	8	11	0.119	15	Scopus	2017		<a href="#">Click</a>
537	SANTHAKUMAR J., MOHAMMED IQBAL U M., PRAKASH M	Investigation on the effect of tensile strength on fdm build parts using taguchi-grey relational based multi-response optimization	International Journal of Mechanical Engineering and Technology	8	12	0.119	5	Scopus	2017		<a href="#">Click</a>
538	SENTHIL R., ARAAVIND S., VIGNESHWAR K., ATHREYA A S	OPTICAL AND THERMAL ANALYSIS OF CONCENTRATED SOLAR THERMAL COLLECTORS: A REVIEW	International Journal of Mechanical Engineering and Technology	8	12	0.119	4	Scopus	2017		<a href="#">Click</a>
539	ARUN N., SAMUEL R H., SUNDARAM P	Design and performance optimization of magnetic levitating devices	International Journal of Mechanical Engineering and Technology	8	12	0.119	0	Scopus	2017		<a href="#">Click</a>
540	V THANIGAIVELAN., M LOGANATHAN., C G SARAVANAN	Pursuance Assessment and Discharge Characteristics Studies of Compression Ignition Diesel Engine by using Cashew Nut Shell Oil as Bio-Diesel Blends	International Journal of Applied Engineering Research	12	13	0.484	0	Scopus	2017		<a href="#">Click</a>
541	Sethuramalingam P., Sundararaj O.N.R.	Adaptive neuro-fuzzy interference system modelling of EDM process using CNT infused copper electrode	International Journal of Intelligent Engineering and	10	3	0.592	5	Scopus	2017		<a href="#">Click</a>

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			Systems								
542	Raj S.O.N., Prabhu S.	Analysis of multi objective optimisation using TOPSIS method in EDM process with CNT infused copper electrode	International Journal Of Machining And Machinability Of Materials	19	1	1.608	23	Scopus	2017		<a href="#">Click</a>
543	R Senthil, M Subramanian, P Sundaram	CFD Simulation of Phase Change Material in a Concentric Thermal Storage	Journal of Advanced Research in Dynamical and Control Systems	9	3	0.152	7	Scopus	2017		<a href="#">Click</a>
544	PRABHU S., VINAYAGAM B K	Optimization of robot plasma coating efficiency using genetic algorithm and neural networks	Journal of Mechanical Engineering	14	1	0.211	0	Scopus	2017		<a href="#">Click</a>
545	Prabhu S., Joseph J.	Image processing based simulink model and analysis of mobile modular fixture robot	Journal of Mechanical Engineering Research and Developments	40	2	0.246	0	Scopus	2017		<a href="#">Click</a>
546	Kamala K.S.R., Ambigai R.	Design and Analysis of a Flexible Biped Wall-climbing Bot	Journal of Mechanical Engineering Research and Developments	40	2	0.246	0	Scopus	2017		<a href="#">Click</a>
547	Vijayaragavan M.R., Subramanian G., Ramachandran L., Gurusamy M., Tiwari R.K., Kumar S.	Experimental investigation of performance characteristics of compression ignition engine fuelled with Punnai oil methyl ester blended diesel	Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences	60	1	0.101	0	Scopus	2017		<a href="#">Click</a>
548	RAJASEKARAN A., SIVAM S P S S., RAJENDRAKUMAR S., SARAVANAN K	Influence of setting variables in conventional super plastic forming process using grey relation analysis in taguchi method	ARPN Journal of Engineering and Applied Sciences	12	15	0.483	8	Scopus	2017		<a href="#">Click</a>

S.No	Authors	Article_Title	Journal_Name	Vol No	Issue No	SNIP	citations	Indexing	Year	Impact Factor	Link
549	UMASEKAR V G., GOPAL M., RAHUL K., SAIKIRAN S., SASANKA MOWLI G V	Investigation of surface roughness in finish turning of titanium alloy Ti-6Al-4V	ARPJ Journal of Engineering and Applied Sciences	12	17	0.483	1	Scopus	2017		<a href="#">Click</a>
550	Bhaumik S., Pathak S.D.	Effect of nano and micro friction modifier based lubricants on wear behavior between steel-steel contacts	Tribology in Industry	39	1	1.028	10	Scopus	2017		<a href="#">Click</a>

Proofs:

- [First Page Proof for research publications in a referred journals during assessment period \(June 2017 - July 2020\) listed in Table 5.8.1 C\)](#)