

Sachin S Salunkhe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigation the effect of electron beam melting parameters on overhang structure deformation. <i>Materials Technology</i> , 2022, 37, 1586-1593.	3.0	3
2	Design and Structural Simulations of a Custom Li-Po Accumulator for Low Range, Lightweight, Single-Seater, Open Cockpit, and Open-Wheeled Racecar. <i>Energies</i> , 2022, 15, 363.	3.1	1
3	Corrigendum to: Numerical Simulation and Experimentation of Endodontic File using Taguchi DoE. <i>International Journal for Simulation and Multidisciplinary Design Optimization</i> , 2022, 13, 11.	1.1	1
4	Experimental investigations on thermal, flame retardant, and impact properties of additively manufactured continuous <scp>FRPC</scp>. <i>Polymer Composites</i> , 2022, 43, 2941-2951.	4.6	9
5	Meta-Heuristic Technique-Based Parametric Optimization for Electrochemical Machining of Monel 400 Alloys to Investigate the Material Removal Rate and the Sludge. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2793.	2.5	11
6	Characterization of Microstructure and High Temperature Compressive Strength of Austenitic Stainless Steel (21-4N) through Powder Metallurgy Route. <i>Crystals</i> , 2022, 12, 923.	2.2	2
7	Tribological Performance and Rheological Properties of Engine Oil with Graphene Nano-Additives. <i>Lubricants</i> , 2022, 10, 137.	2.9	15
8	In Vitro and Electrochemical Characterization of Laser-Cladded Ti-Nb-Ta Alloy for Biomedical Applications. <i>Crystals</i> , 2022, 12, 954.	2.2	2
9	Experimental Studies on Water-Based Al ₂ O ₃ Nanofluid to Enhance the Performance of the Hybrid Collector. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	4
10	Binary goal programming model for optimizing tire selection using branch and bound algorithm. <i>International Journal for Simulation and Multidisciplinary Design Optimization</i> , 2021, 12, 8.	1.1	1
11	In state of art: Mechanical behavior of natural fiber-based hybrid polymeric composites for application of automobile components. <i>Polymer Composites</i> , 2021, 42, 2678-2703.	4.6	58
12	Design of Prosthetic Finger Using Topology Optimization. , 2021, , .		1
13	Parametric Optimization on Impact Strength of Selective Inhibition Sintering Fabricated PA-12 Parts Based on Evolutionary Optimization Algorithms. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5356-5367.	2.5	3
14	Sheet-Metal Feature Recognition Using STEP: Database for Product Development. <i>Journal of Advanced Manufacturing Systems</i> , 2021, 20, 815-829.	1.0	0
15	Drilling of High Volume Fraction Al ₂ O ₃ Metal Matrix Composites. <i>Materials Performance and Characterization</i> , 2021, 10, 317-327.	0.3	1
16	Propiedades mecánicas y desgaste de aceros inoxidables dúplex utilizando el método de Taguchi de análisis de imagen. <i>Revista De Metalurgia</i> , 2021, 57, e192.	0.5	1
17	Harmony Search Algorithm for Minimizing Assembly Variation in Non-linear Assembly. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9213.	2.5	7
18	A Novel Methodology for Simultaneous Minimization of Manufacturing Objectives in Tolerance Allocation of Complex Assembly. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9164.	2.5	2

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19	Optimization of Process Parameters for Turning Hastelloy X under Different Machining Environments Using Evolutionary Algorithms: A Comparative Study. Applied Sciences (Switzerland), 2021, 11, 9725.	2.5	11
20	Optimization of milling speed and time in mechanical alloying of ferritic ODS steel through taguchi technique. International Journal for Simulation and Multidisciplinary Design Optimization, 2021, 12, 25.	1.1	2
21	Numerical simulation and experimentation of endodontic file using Taguchi DoE. International Journal for Simulation and Multidisciplinary Design Optimization, 2021, 12, 32.	1.1	2
22	Cement strength prediction using cloud-based machine learning techniques. Journal of Structural Integrity and Maintenance, 2020, 5, 244-251.	1.5	2
23	Biofiber reinforced polymeric hybrid composites: An overview on mechanical and tribological performance. Polymer Composites, 2020, 41, 3908-3939.	4.6	23
24	Topology optimization of steering knuckle structure. International Journal for Simulation and Multidisciplinary Design Optimization, 2020, 11, 4.	1.1	4
25	A Programmatic Approach for the Prediction of Service Life of Deep Drawing Die Using ANN. Lecture Notes in Mechanical Engineering, 2020, , 465-473.	0.4	1
26	Prediction of life of piercing punches using artificial neural network and adaptive neuro fuzzy inference systems. International Journal of Materials Engineering Innovation, 2019, 10, 20.	0.5	2
27	Development of light weight multi-rotor UAV structures through synergistic application of design analysis and fused deposition modelling. International Journal of Materials and Product Technology, 2019, 59, 229.	0.2	5
28	Prediction of Life of Compound Die Punch Using Machine Learning. , 2019, , .		1
29	Smart System for Feature Recognition of Sheet Metal Parts: A Review. Lecture Notes in Mechanical Engineering, 2019, , 535-549.	0.4	3
30	Comparison of Artificial Neural Network and Adaptive Neuro Fuzzy Inference Systems for Predicting the Life of Blanking Punch. Advanced Structured Materials, 2019, , 3-15.	0.5	1
31	Synthesis, Analysis and 3D Printing of Flapping Mechanisms. International Journal of Materials and Product Technology, 2019, 59, 212.	0.2	2
32	Improving Process Performance with World-Class Manufacturing Technique: A Case in Tea Packaging Industry. Lecture Notes in Mechanical Engineering, 2019, , 65-78.	0.4	1
33	An Expert System for Automatic Design of Compound Dies. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 183-216.	1.6	3
34	Feature Extraction and Manufacturability Assessment of Sheet Metal Parts. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 41-66.	1.6	4
35	Prediction of Life of Compound Die Using Artificial Neural Network. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 217-243.	1.6	0
36	An expert system for process planning of sheet metal parts produced on compound die for use in stamping industries. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 901-907.	1.3	5

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37	Prediction of life of deep drawing die using artificial neural network. Advances in Materials and Processing Technologies, 2016, 2, 132-142.	1.4	7
38	An automatic system for deciding bend sequence of bending parts. Advances in Materials and Processing Technologies, 2015, 1, 143-154.	1.4	4
39	An experimental study on the influence of tool path, tool diameter and pitch in single point incremental forming (SPIF). Advances in Materials and Processing Technologies, 2015, 1, 465-473.	1.4	15
40	CAD system for automatic modelling of compound dies. Advances in Materials and Processing Technologies, 2015, 1, 130-142.	1.4	3
41	An Expert System for Selection of Components of Compound Die. Journal of Advanced Manufacturing Systems, 2014, 13, 181-195.	1.0	5
42	Prediction of Life of Die Block Using Artificial Neural Network. Applied Mechanics and Materials, 0, 592-594, 689-693.	0.2	3
43	Corrosion and high temperature compressive strength behaviour of 17Cr ferritic ODS steel with addition of aluminium through vacuum hot pressing. Advances in Materials and Processing Technologies, 0, , 1-22.	1.4	0
44	Phase change material aided thermal scheming of high power LED: Effect of PCM with varying pitch of hexagonal fins. Materials Research Innovations, 0, , 1-10.	2.3	1