

# Sachin S Salunkhe

## List of Publications by Year in descending order

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44  
papers

234  
citations

1307594

7  
h-index

1125743

13  
g-index

46  
all docs

46  
docs citations

46  
times ranked

140  
citing authors

#	ARTICLE	IF	CITATIONS
1	In state of art: Mechanical behavior of natural fiberâ€based hybrid polymeric composites for application of automobile components. <i>Polymer Composites</i> , 2021, 42, 2678-2703.	4.6	58
2	Biofiber â€reinforced polymeric hybrid composites: An overview on mechanical and tribological performance. <i>Polymer Composites</i> , 2020, 41, 3908-3939.	4.6	23
3	An experimental study on the influence of tool path, tool diameter and pitch in single point incremental forming (SPIF). <i>Advances in Materials and Processing Technologies</i> , 2015, 1, 465-473.	1.4	15
4	Tribological Performance and Rheological Properties of Engine Oil with Graphene Nano-Additives. <i>Lubricants</i> , 2022, 10, 137.	2.9	15
5	Optimization of Process Parameters for Turning Hastelloy X under Different Machining Environments Using Evolutionary Algorithms: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9725.	2.5	11
6	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
7	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
8	Prediction of life of deep drawing die using artificial neural network. <i>Advances in Materials and Processing Technologies</i> , 2016, 2, 132-142.	1.4	7
9	Harmony Search Algorithm for Minimizing Assembly Variation in Non-linear Assembly. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9213.	2.5	7
10	An Expert System for Selection of Components of Compound Die. <i>Journal of Advanced Manufacturing Systems</i> , 2014, 13, 181-195.	1.0	5
11	An expert system for process planning of sheet metal parts produced on compound die for use in stamping industries. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2016, 41, 901-907.	1.3	5
12	Development of light weight multi-rotor UAV structures through synergistic application of design analysis and fused deposition modelling. <i>International Journal of Materials and Product Technology</i> , 2019, 59, 229.	0.2	5
13	An automatic system for deciding bend sequence of bending parts. <i>Advances in Materials and Processing Technologies</i> , 2015, 1, 143-154.	1.4	4
14	Topology optimization of steering knuckle structure. <i>International Journal for Simulation and Multidisciplinary Design Optimization</i> , 2020, 11, 4.	1.1	4
15	Feature Extraction and Manufacturability Assessment of Sheet Metal Parts. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2017, , 41-66.	1.6	4
16	Experimental Studies on Water-Based Al <sub>2</sub> O <sub>3</sub> Nanofluid to Enhance the Performance of the Hybrid Collector. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	4
17	Prediction of Life of Die Block Using Artificial Neural Network. <i>Applied Mechanics and Materials</i> , 0, 592-594, 689-693.	0.2	3
18	CAD system for automatic modelling of compound dies. <i>Advances in Materials and Processing Technologies</i> , 2015, 1, 130-142.	1.4	3

#	ARTICLE	IF	CITATIONS
19	An Expert System for Automatic Design of Compound Dies. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 183-216.	1.6	3
20	Smart System for Feature Recognition of Sheet Metal Parts: A Review. Lecture Notes in Mechanical Engineering, 2019, , 535-549.	0.4	3
21	Parametric Optimization on Impact Strength of Selective Inhibition Sintering Fabricated PA-12 Parts Based on Evolutionary Optimization Algorithms. Journal of Materials Engineering and Performance, 2021, 30, 5356-5367.	2.5	3
22	Investigation the effect of electron beam melting parameters on overhang structure deformation. Materials Technology, 2022, 37, 1586-1593.	3.0	3
23	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
24	Cement strength prediction using cloud-based machine learning techniques. Journal of Structural Integrity and Maintenance, 2020, 5, 244-251.	1.5	2
25	Synthesis, Analysis and 3D Printing of Flapping Mechanisms. International Journal of Materials and Product Technology, 2019, 59, 212.	0.2	2
26	A Novel Methodology for Simultaneous Minimization of Manufacturing Objectives in Tolerance Allocation of Complex Assembly. Applied Sciences (Switzerland), 2021, 11, 9164.	2.5	2
27	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
28	Numerical simulation and experimentation of endodontic file using Taguchi DoE. International Journal for Simulation and Multidisciplinary Design Optimization, 2021, 12, 32.	1.1	2
29	Characterization of Microstructure and High Temperature Compressive Strength of Austenitic Stainless Steel (21-4N) through Powder Metallurgy Route. Crystals, 2022, 12, 923.	2.2	2
30	In Vitro and Electrochemical Characterization of Laser-Cladded Ti-Nb-Ta Alloy for Biomedical Applications. Crystals, 2022, 12, 954.	2.2	2
31	Prediction of Life of Compound Die Punch Using Machine Learning. , 2019, , .		1
32	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
33	Binary goal programming model for optimizing tire selection using branch and bound algorithm. International Journal for Simulation and Multidisciplinary Design Optimization, 2021, 12, 8.	1.1	1
34	Design of Prosthetic Finger Using Topology Optimization. , 2021, , .		1
35	Drilling of High Volume Fraction Al <sub>2</sub> O <sub>3</sub> Metal Matrix Composites. Materials Performance and Characterization, 2021, 10, 317-327.	0.3	1
36	Propiedades mecánicas y desgaste de aceros inoxidables d <sup>Á</sup> plex utilizando el m <sup>Á</sup> todo de Taguchi de an <sup>Á</sup> lisis de imagen. Revista De Metalurgia, 2021, 57, e192.	0.5	1

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Design and Structural Simulations of a Custom Li-Po Accumulator for Low Range, Lightweight, Single-Seater, Open Cockpit, and Open-Wheeled Racecar. Energies, 2022, 15, 363.	3.1	1
41	Corrigendum to: Numerical Simulation and Experimentation of Endodontic File using Taguchi DoE. International Journal for Simulation and Multidisciplinary Design Optimization, 2022, 13, 11.	1.1	1
42	Sheet-Metal Feature Recognition Using STEP: Database for Product Development. Journal of Advanced Manufacturing Systems, 2021, 20, 815-829.	1.0	0
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	Prediction of Life of Compound Die Using Artificial Neural Network. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 217-243.	1.6	0