

Anwesa Barman

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

186
citations

1478505

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h-index

1281871

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13
docs citations

13
times ranked

107
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-finishing of bio-titanium alloy to generate different surface morphologies by changing magnetorheological polishing fluid compositions. Precision Engineering, 2018, 51, 145-152.	3.4	61
2	Design and fabrication of a novel polishing tool for finishing freeform surfaces in magnetic field assisted finishing (MFAF) process. Precision Engineering, 2017, 49, 61-68.	3.4	42
3	Toolpath generation and finishing of bio-titanium alloy using novel polishing tool in MFAF process. International Journal of Advanced Manufacturing Technology, 2019, 100, 1123-1135.	3.0	20
4	Simulation and experimental investigation of finishing forces in magnetic field assisted finishing process. Materials and Manufacturing Processes, 2018, 33, 1223-1232.	4.7	17
5	Evaluation of conventional drilling and helical milling for processing of holes in titanium alloy Ti6Al4V. Materials Today: Proceedings, 2020, 28, 2295-2300.	1.8	17
6	Magnetic field assisted finishing process for super-finished Ti alloy implant and its 3D surface characterization. Journal of Micromanufacturing, 2018, 1, 154-169.	1.1	16
7	Simulation of Magnetic Field Assisted Finishing (MFAF) Process Utilizing Smart MR Polishing Tool. Journal of the Institution of Engineers (India): Series C, 2017, 98, 75-82.	1.2	5
8	Force analysis during spot finishing of titanium alloy using novel tool in magnetic field assisted finishing process. International Journal of Precision Technology, 2019, 8, 190.	0.2	3
9	Soft computing techniques to model and optimize magnetic field-assisted finishing process and characterization of the finished surface. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3156-3168.	2.1	2
10	Optimization of magnetic field assisted finishing process during nanofinishing of titanium alloy (grade-5) implant using soft computing approaches. International Journal of Modelling and Simulation, 2022, 42, 920-935.	3.3	2
11	Magnetic Field Assisted Finishing of Ferromagnetic Air Compressor Cylinder Using Smart MR Polishing Fluid. Lecture Notes in Mechanical Engineering, 2020, , 539-548.	0.4	1
12	Analysis of Forces During Spot Finishing of Titanium Alloy Using Novel Tool in Magnetic Field Assisted Finishing Process. , 2018, , .		0
13	Fundamental understanding and latest developments in magnetic field assisted finishing processes. , 2021, , 611-641.		0