Sachin Singh

List of Publications by Year
in descending order

9	134	1307594 7	1474206 9
papers	citations	h-index	g-index

9	9	9	66
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Viscoelastic medium modeling and surface roughness simulation of microholes finished by abrasive flow finishing process. International Journal of Advanced Manufacturing Technology, 2019, 100, 1165-1182.	3.0	24
2	Finishing force analysis and simulation of nanosurface roughness in abrasive flow finishing process using medium rheological properties. International Journal of Advanced Manufacturing Technology, 2016, 85, 2163-2178.	3.0	23
3	Simulation and experimental investigations into abrasive flow nanofinishing of surgical stainless steel tubes. Machining Science and Technology, 2018, 22, 454-475.	2.5	22
4	A framework for effective and clean conversion of machining waste into metal powder feedstock for additive manufacturing. Cleaner Engineering and Technology, 2021, 4, 100151.	4.0	19
5	Development of polymer abrasive medium for nanofinishing of microholes on surgical stainless steel using abrasive flow finishing process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 355-370.	2.4	15
6	Experimental, Theoretical, and Simulation Comparative Study of Nano Surface Roughness Generated During Abrasive Flow Finishing Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	11
7	Recycling of Ti6Al4V machining swarf into additive manufacturing feedstock powder to realise sustainable recycling goals. Journal of Cleaner Production, 2022, 348, 131342.	9.3	11
8	Rheological study of the developed medium and its correlation with surface roughness during abrasive flow finishing of micro-slots. Machining Science and Technology, 2020, 24, 882-905.	2.5	7
9	Effect of multi-layer graphene on microstructure and mechanical properties of titanium-based composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8542-8551.	2.1	2