

Amit Mahajan

List of Publications by Year in descending order

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11
papers

170
citations

1163065

8
h-index

1281846

11
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12
all docs

12
docs citations

12
times ranked

83
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Copper and Tungsten Electrodes for the Electric Discharge Machined SUS-316L. Lecture Notes in Mechanical Engineering, 2022, , 197-206.	0.4	0
2	EDM performance characteristics and electrochemical corrosion analysis of Co-Cr alloy and duplex stainless steel: A comparative study. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 812-823.	2.5	13
3	Surface alteration of biomedical alloys by electrical discharge treatment for enhancing the electrochemical corrosion, tribological and biological performances. Surface and Coatings Technology, 2021, 405, 126583.	4.8	21
4	Multi-walled carbon nanotubes in powder mixed electrical discharge machining: an experimental study, state of the art and feasibility prospect. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	11
5	Surface Characterization and Tribological Performance Analysis of Electric Discharge Machined Duplex Stainless Steel. Micromachines, 2020, 11, 926.	2.9	29
6	Examination of hemocompatibility and corrosion resistance of electrical discharge-treated duplex stainless steel (DSS-2205) for biomedical applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	17
7	Metal Removal Rate & Surface Morphological Analysis of Electrical Discharge Machined Co-Cr Alloy. Emerging Materials Research, 2020, 9, 1-5.	0.7	1
8	Potential of electrical discharge treatment to enhance the in vitro cytocompatibility and tribological performance of Co-Cr implant. Journal of Materials Research, 2019, 34, 2837-2847.	2.6	15
9	In vitro corrosion and hemocompatibility evaluation of electrical discharge treated cobalt-chromium implant. Journal of Materials Research, 2019, 34, 1363-1370.	2.6	21
10	EDM Surface Treatment: An Enhanced Biocompatible Interface. Materials Horizons, 2019, , 33-40.	0.6	8
11	Enhancing biocompatibility of Co-Cr alloy implants via electrical discharge process. Materials Technology, 2018, 33, 524-531.	3.0	33