Jagtar Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10913747/publications.pdf

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18	468	840776 11	940533 16
papers	citations	h-index	g-index

18	18	18	419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selective laser melting of Ti6Al4V alloy: Process parameters, defects and post-treatments. Journal of Manufacturing Processes, 2021, 64, 161-187.	5.9	151
2	A mathematical model for transporting the biomass to biomass based power plant. Biomass and Bioenergy, 2010, 34, 483-488.	5.7	49
3	Processing of materials at cryogenic temperature and its implications in manufacturing: A review. Materials and Manufacturing Processes, 2018, 33, 1603-1640.	4.7	47
4	Slurry Erosion Behavior of HVOF-Sprayed WC-10Co-4Cr Coated SS 316 Steel with and Without PTFE Modification. Journal of Thermal Spray Technology, 2019, 28, 1448-1465.	3.1	43
5	Implementation of 5S practices: A review. Uncertain Supply Chain Management, 2014, 2, 155-162.	3.2	28
6	Effect of Process Parameters on Microstructure and Mechanical Properties in Friction Stir Welding of Aluminum Alloy. Transactions of the Indian Institute of Metals, 2011, 64, 325-330.	1.5	25
7	Geographical distribution of agricultural residues and optimum sites of biomass based power plant in Bathinda, Punjab. Biomass and Bioenergy, 2011, 35, 4455-4460.	5.7	21
8	Abrasive Wear Behavior of Cryogenically Treated Boron Steel (30MnCrB4) Used for Rotavator Blades. Materials, 2020, 13, 436.	2.9	20
9	Erosion behavior of hydrophobic polytetrafluoroethylene (PTFE) coatings with different thicknesses. Wear, 2020, 456-457, 203340.	3.1	16
10	Effect of fuel pressure, feed rate, and spray distance on cavitation erosion of Rodojet sprayed Al2O3+50%TiO2 coated AISI410 steel. Surface and Coatings Technology, 2021, 410, 126961.	4.8	15
11	Influence of thickness of hydrophobic polytetrafluoroethylene (PTFE) coatings on cavitation erosion of hydro-machinery steel SS410. Wear, 2021, 477, 203886.	3.1	13
12	Impact of Cryogenic Treatment on Mechanical Behavior and Microstructure of Ti-6Al-4V ELI Biomaterial. Journal of Materials Engineering and Performance, 2019, 28, 5931-5945.	2.5	11
13	Impact of Cryogenic Treatment on HCF and FCP Performance of Î²-Solution Treated Ti-6Al-4V ELI Biomaterial. Materials, 2020, 13, 500.	2.9	11
14	Investigating slurry erosion behavior of a hydro-machinery steel under various impingement variables. Materials Today: Proceedings, 2021, 41, 795-800.	1.8	6
15	Effect of cryogenic treatment on the microstructure and wear behavior of a T-42 tool steel. Materialpruefung/Materials Testing, 2015, 57, 306-310.	2.2	6
16	Optimization of Cutting Parameters using Cryogenically Treated High Speed Steel Tool by Taguchi Application. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2013, 3, 26-38.	0.4	5
17	Effect of Axial Force on Mechanical and Metallurgical Properties of Friction Stir Welded AA6082 Joints. Advanced Materials Research, 0, 383-390, 3356-3360.	0.3	1
18	Effect of Cryogenic Treatment on Mechanical and Metallurgical Properties of SS410. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 221-229.	0.6	0