

# Jagtar Singh

## List of Publications by Year in descending order

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18  
papers

468  
citations

840776

11  
h-index

940533

16  
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all docs

18  
docs citations

18  
times ranked

419  
citing authors

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