

# Harmeet Singh

## List of Publications by Year in descending order

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17  
papers

877  
citations

840776

11  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

555  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on packed bed solar energy storage systems. Renewable and Sustainable Energy Reviews, 2010, 14, 1059-1069.	16.4	254
2	Review on friction stir welding of magnesium alloys. Journal of Magnesium and Alloys, 2018, 6, 399-416.	11.9	170
3	Effect of addition of Al <sub>2</sub> O <sub>3</sub> on the high-temperature solid particle erosion behaviour of HVOF sprayed Inconel-718 coatings. Materials Today Communications, 2022, 30, 103017.	1.9	78
4	Investigation of microstructure and mechanical properties of friction stir welded AZ61 magnesium alloy joint. Journal of Magnesium and Alloys, 2018, 6, 292-298.	11.9	65
5	High temperature oxidation and erosion behaviour of HVOF sprayed bi-layer Alloy-718/NiCrAlY coating. Surface and Coatings Technology, 2019, 362, 366-380.	4.8	65
6	A study on processing and hot corrosion behaviour of HVOF sprayed Inconel718-nano Al <sub>2</sub> O <sub>3</sub> coatings. Materials Today Communications, 2020, 25, 101626.	1.9	61
7	An investigation on oxidation behaviour of high velocity oxy-fuel sprayed Inconel718-Al <sub>2</sub> O <sub>3</sub> composite coatings. Surface and Coatings Technology, 2020, 393, 125770.	4.8	46
8	Performance of a packed bed solar energy storage system having large sized elements with low void fraction. Solar Energy, 2013, 87, 22-34.	6.1	43
9	Erosion behaviour of HVOF sprayed Alloy718-nano Al <sub>2</sub> O <sub>3</sub> composite coatings on grey cast iron at elevated temperature conditions. Surface Topography: Metrology and Properties, 2021, 9, 035022.	1.6	40
10	Microstructure and mechanical behaviour of friction-stir-welded magnesium alloys: As-Welded and post weld heat treated. Materials Today Communications, 2019, 20, 100600.	1.9	15
11	Exploratory investigation of a new thermal energy storage system with different phase change materials having distinct melting temperatures. Journal of Energy Storage, 2018, 19, 1-9.	8.1	14
12	Influence of post welding heat treatment on the microstructure and mechanical properties of friction stir welding joint of AZ31 Mg alloy. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1375-1382.	2.5	9
13	Investigation on the microstructure and mechanical properties of a dissimilar friction stir welded joint of magnesium alloys. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 2444-2454.	1.1	8
14	The influence of holding time on the characteristics of friction stir welded dissimilar magnesium alloy joints during post welding heat treatment. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2023, 237, 170-182.	1.1	4
15	Microstructural and Mechanical Behaviour Evaluation of Mg-Al-Zn Alloy Friction Stir Welded Joint. International Journal of Automotive and Mechanical Engineering, 2020, 17, 8150-8159.	0.9	3
16	Influence of PWHT on FSW joint of AZ61 Mg alloy. Materials Today: Proceedings, 2022, , .	1.8	2
17	Thermohydraulic Performance of a Packed Bed Solar Energy Storage System. Lecture Notes in Civil Engineering, 2021, , 451-456.	0.4	0