

Saad Waqar

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

652
citations

759233

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1058476

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all docs

16
docs citations

16
times ranked

331
citing authors

#	ARTICLE	IF	CITATIONS
1	A short review on thermal treatments of Titanium & Nickel based alloys processed by selective laser melting. Journal of Materials Research and Technology, 2022, 16, 1090-1101.	5.8	29
2	Evolution of residual stress behavior in selective laser melting (SLM) of 316L stainless steel through preheating and in-situ re-scanning techniques. Optics and Laser Technology, 2022, 149, 107806.	4.6	45
3	Evolution of temperature and residual stress behavior in selective laser melting of 316L stainless steel across a cooling channel. Rapid Prototyping Journal, 2022, 28, 1272-1283.	3.2	24
4	Influences of processing parameters and heat treatment on microstructure and mechanical behavior of Ti-6Al-4V fabricated using selective laser melting. Advances in Manufacturing, 2022, 10, 520-540.	6.1	14
5	Numerical and experimental investigation on thermo-mechanically induced residual stress in high-speed milling of Ti-6Al-4V alloy. Journal of Manufacturing Processes, 2022, 76, 575-587.	5.9	22
6	A technical overview of metallic parts in hybrid additive manufacturing industry. Journal of Materials Research and Technology, 2022, 18, 384-395.	5.8	28
7	A big data-driven framework for sustainable and smart additive manufacturing. Robotics and Computer-Integrated Manufacturing, 2021, 67, 102026.	9.9	159
8	Numerical investigation of thermal behavior and melt pool morphology in multi-track multi-layer selective laser melting of the 316L steel. International Journal of Advanced Manufacturing Technology, 2021, 112, 879-895.	3.0	45
9	FEM analysis of thermal and residual stress profile in selective laser melting of 316L stainless steel. Journal of Manufacturing Processes, 2021, 66, 81-100.	5.9	60
10	Advanced Catalysts for Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2021, 4, 12007-12031.	5.1	94
11	Influence of phase change material on concrete behavior for construction 3D printing. Construction and Building Materials, 2021, 309, 125121.	7.2	18
12	Numerical and experimental investigations of built orientation dependent Johnsonâ€ˆCook model for selective laser melting manufactured AlSi10Mg. Journal of Materials Research and Technology, 2021, 15, 6244-6259.	5.8	30
13	Effect of post-heat treatment cooling on microstructure and mechanical properties of selective laser melting manufactured austenitic 316L stainless steel. Rapid Prototyping Journal, 2020, 26, 1739-1749.	3.2	36
14	Experimental investigation of tool wear in cryogenically treated insert during end milling of hard Ti alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	14
15	A New Approach to Classification of Upper Limb and Wrist Movements Using EEG Signals. , 2017, , .		8
16	Effect of Drilling Parameters on Hole Quality of Ti-6Al-4V Titanium Alloy in Dry Drilling. Materials Science Forum, 0, 880, 33-36.	0.3	26