

# Saad Waqar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4141199/publications.pdf>

Version: 2024-02-01

16  
papers

652  
citations

759233

12  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	A big data-driven framework for sustainable and smart additive manufacturing. Robotics and Computer-Integrated Manufacturing, 2021, 67, 102026.	9.9	159
2	Advanced Catalysts for Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2021, 4, 12007-12031.	5.1	94
3	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
4	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
5	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
6	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
7	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
8	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
9	A technical overview of metallic parts in hybrid additive manufacturing industry. Journal of Materials Research and Technology, 2022, 18, 384-395.	5.8	28
10	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
11	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
12	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
13	Influence of phase change material on concrete behavior for construction 3D printing. Construction and Building Materials, 2021, 309, 125121.	7.2	18
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	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
16	A New Approach to Classification of Upper Limb and Wrist Movements Using EEG Signals. , 2017, , .		8