

# Chaitanya Gullipalli

## List of Publications by Year in descending order

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Version: 2024-02-01

8  
papers

114  
citations

1937685  
4  
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1588992  
8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

34  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of buffer layer on surface and tribomechanical properties of laser clad Stellite 6. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114799.	3.5	39
2	Influence of laser cladding parameters on distortion, thermal history and melt pool behaviour in multi-layer deposition of stellite 6: In-situ measurement. <i>Journal of Alloys and Compounds</i> , 2021, 860, 157894.	5.5	34
3	Effect of multi-layer laser cladding of Stellite 6 and Inconel 718 materials on clad geometry, microstructure evolution and mechanical properties. <i>Materials Today Communications</i> , 2021, 28, 102604.	1.9	21
4	Microstructure Evolution in Direct Energy Deposited Multilayer Inconel 718. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 7985-7994.	3.0	7
5	Statistical Analysis of Clad Geometry in Direct Energy Deposition of Inconel 718 Single Tracks. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 6922-6932.	2.5	5
6	Parametric effect on the microstructure of direct metal deposited Inconel 718. <i>Materials and Manufacturing Processes</i> , 2022, 37, 1165-1174.	4.7	4
7	In-process monitoring of distortion and temperature in multi-layer laser cladding of Stellite 6 and Inconel 718 alloys. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2023, 237, 3-15.	2.4	3
8	Analysis of melt pool temperature and stresses in laser cladding of inconel 718. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1