

# Naresh Nadammal

## List of Publications by Year in descending order

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14  
papers

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citations

933447

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1125743

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docs citations

14  
times ranked

565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hatch length on the development of microstructure, texture and residual stresses in selective laser melted superalloy Inconel 718. <i>Materials and Design</i> , 2017, 134, 139-150.	7.0	202
2	Critical role of scan strategies on the development of microstructure, texture, and residual stresses during laser powder bed fusion additive manufacturing. <i>Additive Manufacturing</i> , 2021, 38, 101792.	3.0	55
3	A bottom-up approach for optimization of friction stir processing parameters; a study on aluminium 2024-T3 alloy. <i>Materials &amp; Design</i> , 2015, 65, 127-138.	5.1	44
4	Development of microstructure and texture during single and multiple pass friction stir processing of a strain hardenable aluminium alloy. <i>Materials Characterization</i> , 2018, 140, 134-146.	4.4	43
5	Microstructure and Crystallographic Texture Evolution During the Friction-Stir Processing of a Precipitation-Hardenable Aluminum Alloy. <i>Jom</i> , 2015, 67, 1014-1021.	1.9	34
6	Influence of Support Configurations on the Characteristics of Selective Laser-Melted Inconel 718. <i>Jom</i> , 2018, 70, 343-348.	1.9	26
7	Microstructure and Texture Evolution during Single- and Multiple-Pass Friction Stir Processing of Heat-Treatable Aluminum Alloy 2024. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 4247-4261.	2.2	24
8	Evolution of microhardness and microstructure in a cast Al-7% Si alloy during high-pressure torsion. <i>Journal of Materials Science</i> , 2013, 48, 4671-4680.	3.7	23
9	Restoration Mechanisms During the Friction Stir Processing of Aluminum Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2823-2828.	2.2	23
10	Residual Stress in Selective Laser Melted Inconel 718: Influence of the Removal from Base Plate and Deposition Hatch Length. <i>Materials Performance and Characterization</i> , 2018, 7, 717-735.	0.3	21
11	Laser Powder Bed Fusion Additive Manufacturing of a Low-Modulus Ti-35Nb-7Zr-5Ta Alloy for Orthopedic Applications. <i>ACS Omega</i> , 2022, 7, 8506-8517.	3.5	11
12	Zinc and cerium synergistically enhance the mechanical properties, corrosion resistance, and osteogenic activity of magnesium as resorbable biomaterials. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 044109.	3.3	8
13	An Integrative Experimental Approach to Design Optimization and Removal Strategies of Supporting Structures Used during L-PBF of SS316L Aortic Stents. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9176.	2.5	4
14	Effect of Axial Load-Dependent Deformation Rate on the Grain Size Distribution and Mechanical Properties of Friction Stir Processed Copper. <i>Materials Performance and Characterization</i> , 2021, 10, 268-278.	0.3	0