

# Mohan Kumar Subramaniyan

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Microstructural Features and Mechanical Integrity of Wire Arc Additive Manufactured SS321/Inconel 625 Functionally Gradient Material. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5692-5703.	2.5	45
2	Process-microstructural features for tailoring fatigue strength of wire arc additive manufactured functionally graded material of SS904L and Hastelloy C-276. <i>Materials Letters</i> , 2020, 274, 127968.	2.6	41
3	Studies on the weldability, mechanical properties and microstructural characterization of activated flux TIG welding of AISI 321 austenitic stainless steel. <i>Materials Research Express</i> , 2018, 5, 106524.	1.6	32
4	Tribological performance of wire arc additive manufactured 347 austenitic stainless steel under unlubricated conditions at elevated temperatures. <i>Journal of Manufacturing Processes</i> , 2020, 56, 306-321.	5.9	32
5	Microstructure and mechanical properties of wire arc additive manufactured bi-metallic structure. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 47-57.	3.1	24
6	Fabrication, characterisation, and finite element analysis of cold metal transfer-based wire and arc additive-manufactured aluminium alloy 4043 cylinder. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 1905-1919.	2.5	20
7	Fatigue Behavior of Austenitic Stainless Steel 347 Fabricated via Wire Arc Additive Manufacturing. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 6844-6850.	2.5	19
8	Investigations on mechanical properties and microstructural examination of activated TIG-welded nuclear grade stainless steel. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	18
9	Reliability and sustainability of wire arc additive manufactured plates using ER 347 wire-mechanical and metallurgical perspectives. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 1860-1871.	2.1	18
10	Fabrication of Gas Metal Arc Welding Based Wire Plus Arc Additive Manufactured 347 Stainless Steel Structure: Behavioral Analysis Through Experimentation and Finite Element Method. <i>Metals and Materials International</i> , 2022, 28, 307-321.	3.4	9
11	Microstructural characterization and mechanical integrity of stainless steel 316L clad layers deposited via wire arc additive manufacturing for nuclear applications. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021, 52, 617-623.	0.9	8
12	Testing, characterization and numerical prediction (uni-axial tension and bend test) of Double-side TIG welded SS321 plate for pressure vessel application. <i>International Journal of Pressure Vessels and Piping</i> , 2022, 197, 104648.	2.6	8
13	Effect of heat input and weld chemistry on mechanical and microstructural aspects of double side welded austenitic stainless steel 321-grade using tungsten inert gas arc welding process. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 349-367.	0.9	7
14	Microstructural administered mechanical properties and corrosion behaviour of wire plus arc additive manufactured SS 321 plate. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 7627-7633.	2.1	7
15	Formability studies on plasma arc welded duplex stainless steel 2205 sheet. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 163-173.	0.9	5
16	Finite element simulation for tensile and impact test of activated TIG welding of AISI 321 austenitic stainless steel. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 2323-2334.	1.1	4
17	Double-sided GTAW of nuclear grade steel: Mechanical and microstructure perspectives. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 1132-1139.	2.5	3