

# Bilal Ahmad

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Residual stress evaluation in selective-laser-melting additively manufactured titanium (Ti-6Al-4V) and inconel 718 using the contour method and numerical simulation. Additive Manufacturing, 2018, 22, 571-582.	3.0	78
2	Minimization and Mitigation of Wire EDM Cutting Errors in the Application of the Contour Method of Residual Stress Measurement. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 301-313.	2.2	20
3	Effect of Ultrasonic Peening and Accelerated Corrosion Exposure on the Residual Stress Distribution in Welded Marine Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1214-1226.	2.2	16
4	Effects of Process Variants on Residual Stresses in Wire Arc Additive Manufacturing of Aluminum Alloy 5183. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	2.2	16
5	Analysis of Residual Stresses in Laser-Shock-Peened and Shot-Peened Marine Steel Welds. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 759-770.	2.2	15
6	Influence of Deposition Strategies on Residual Stress in Wire + Arc Additive Manufactured Titanium Ti-6Al-4V. Metals, 2022, 12, 253.	2.3	15
7	Measurement and modelling of residual stress in wire-feed additively manufactured titanium. Materials Science and Technology, 2018, 34, 2250-2259.	1.6	11
8	The effect of laser shock peening on hardness and microstructure in a welded marine steel. Journal of Engineering, 2015, 2015, 115-125.	1.1	4
9	Surface preparation for residual stress measurement of an accelerated corrosion tested welded marine steel. Corrosion Science, 2015, 91, 357-360.	6.6	3