

Ahmad W Alshaer

List of Publications by Year in descending order

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9
papers

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citations

1478505

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1720034

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g-index

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all docs

9
docs citations

9
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of picosecond laser generated periodic structures on bacterial behaviour. Applied Surface Science, 2021, 540, 148292.	6.1	6
2	An investigation of the strength and stiffness of weight-saving sandwich beams with CFRP face sheets and seven 3D printed cores. Composite Structures, 2021, 257, 113391.	5.8	24
3	A Comparison of Characteristics of Periodic Surface Micro/Nano Structures Generated Via Single Laser Beam Direct Writing and Particle Lens Array Parallel Beam Processing. Journal of Micro and Nano-Manufacturing, 2021, 9, .	0.7	1
4	An Experimental and Numerical Investigation of a Novel 3D Printed Sandwich Material for Motorsport Applications. Procedia Manufacturing, 2019, 36, 11-18.	1.9	16
5	Effect of filler wire properties on porosity formation in laser welding of AC-170PX aluminium alloy for lightweight automotive component manufacture. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 994-1006.	2.4	22
6	Smoothed Particle Hydrodynamics (SPH) modelling of transient heat transfer in pulsed laser ablation of Al and associated free-surface problems. Computational Materials Science, 2017, 127, 161-179.	3.0	41
7	Understanding the Effect of Heat Input and Sheet Gap on Porosity Formation in Fillet Edge and Flange Couch Laser Welding of AC-170PX Aluminum Alloy for Automotive Component Manufacture. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	19
8	The effects of short pulse laser surface cleaning on porosity formation and reduction in laser welding of aluminium alloy for automotive component manufacture. Optics and Laser Technology, 2014, 64, 162-171.	4.6	114
9	Effect of laser surface treatment on solar cell efficiency. , 0, , .		0