

Niall A Smyth

List of Publications by Year in descending order

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8
papers

189
citations

1684188
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1720034
7
g-index

8
all docs

8
docs citations

8
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	On the measurement of residual stresses in fibre metal laminates. International Journal of Advanced Manufacturing Technology, 2021, 113, 1663-1671.	3.0	1
2	Machine Learning-Based Prediction and Optimisation System for Laser Shock Peening. Applied Sciences (Switzerland), 2021, 11, 2888.	2.5	12
3	The effect of material cyclic deformation properties on residual stress generation by laser shock processing. International Journal of Mechanical Sciences, 2019, 156, 370-381.	6.7	21
4	Recovery of fatigue life using laser peening on 2024-T351 aluminium sheet containing scratch damage: The role of residual stress. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1161-1174.	3.4	22
5	Effect of Treatment Area on Residual Stress and Fatigue in Laser Peened Aluminum Sheets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 1519-1523.	2.2	2
6	Low cycle fatigue life prediction in shot-peened components of different geometries” part I: residual stress relaxation. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 761-775.	3.4	19
7	Effect of laser shock peening on residual stress and fatigue life of clad 2024 aluminium sheet containing scribe defects. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 548, 142-151.	5.6	110
8	Fatigue Life Recovery via Laser Shock Peening in Mechanically Damaged Aluminium Sheet; Experiments and Prediction Models. Advanced Materials Research, 0, 891-892, 980-985.	0.3	2