

Gabriele Piscopo

List of Publications by Year in descending order

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13
papers

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citations

1040056

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1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Current research and industrial application of laser powder directed energy deposition. International Journal of Advanced Manufacturing Technology, 2022, 119, 6893-6917.	3.0	49
2	Build orientation effect on Ti6Al4V thin-wall topography by electron beam powder bed fusion. Procedia CIRP, 2022, 108, 222-227.	1.9	5
3	Design of additive manufactured passive heat sinks for electronics. Journal of Manufacturing Processes, 2021, 64, 878-888.	5.9	18
4	Influence of High-Productivity Process Parameters on the Surface Quality and Residual Stress State of AISI 316L Components Produced by Directed Energy Deposition. Journal of Materials Engineering and Performance, 2021, 30, 6691-6702.	2.5	10
5	Numerical modelling of heat transfer and experimental validation in powder-bed fusion with the virtual domain approximation. Finite Elements in Analysis and Design, 2020, 168, 103343.	3.2	25
6	Effect of Heat Treatments on Residual Stress and Properties of AISI 316L Steel Processed by Directed Energy Deposition. Journal of Materials Engineering and Performance, 2020, 29, 6002-6013.	2.5	14
7	Mesoscale modelling of laser powder-based directed energy deposition process. Procedia CIRP, 2020, 88, 393-398.	1.9	8
8	An investigation on the effect of deposition pattern on the microstructure, mechanical properties and residual stress of 316L produced by Directed Energy Deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 780, 139179.	5.6	101
9	On the Effect of Deposition Patterns on the Residual Stress, Roughness and Microstructure of AISI 316L Samples Produced by Directed Energy Deposition. Lecture Notes in Mechanical Engineering, 2020, , 206-212.	0.4	6
10	Machining induced residual stresses in AlSi10Mg component produced by Laser Powder Bed Fusion (L-PBF). Procedia CIRP, 2019, 79, 101-106.	1.9	14
11	A Hybrid Modeling of the Physics-Driven Evolution of Material Addition and Track Generation in Laser Powder Directed Energy Deposition. Materials, 2019, 12, 2819.	2.9	24
12	On the quality of unsupported overhangs produced by laser powder bed fusion. International Journal of Manufacturing Research, 2019, 14, 198.	0.2	21
13	On the Effect of Part Orientation on Stress Distribution in AlSi10Mg Specimens Fabricated by Laser Powder Bed Fusion (L-PBF). Procedia CIRP, 2018, 67, 191-196.	1.9	25