

Gabriele Piscopo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/19941/publications.pdf>

Version: 2024-02-01

13
papers

320
citations

1040056

9
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Current research and industrial application of laser powder directed energy deposition. International Journal of Advanced Manufacturing Technology, 2022, 119, 6893-6917.	3.0	49
3	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
4	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
5	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
6	On the quality of unsupported overhangs produced by laser powder bed fusion. International Journal of Manufacturing Research, 2019, 14, 198.	0.2	21
7	Design of additive manufactured passive heat sinks for electronics. Journal of Manufacturing Processes, 2021, 64, 878-888.	5.9	18
8	Machining induced residual stresses in AlSi10Mg component produced by Laser Powder Bed Fusion (L-PBF). Procedia CIRP, 2019, 79, 101-106.	1.9	14
9	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
10	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
11	Mesoscale modelling of laser powder-based directed energy deposition process. Procedia CIRP, 2020, 88, 393-398.	1.9	8
12	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
13	Build orientation effect on Ti6Al4V thin-wall topography by electron beam powder bed fusion. Procedia CIRP, 2022, 108, 222-227.	1.9	5