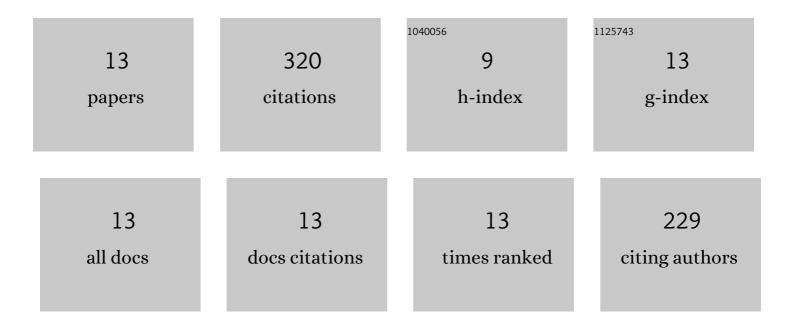
## Gabriele Piscopo

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Current research and industrial application of laser powder directed energy deposition.<br>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.<br>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<br>of AISI 316L Components Produced by Directed Energy Deposition. Journal of Materials Engineering and<br>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<br>and residual stress of 316L produced by Directed Energy Deposition. Materials Science &<br>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<br>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<br>Powder Bed Fusion (L-PBF). Procedia CIRP, 2018, 67, 191-196.   | 1.9 | 25        |