

Magdalena Cortina

List of Publications by Year in descending order

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19
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| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Case Study to Illustrate the Potential of Conformal Cooling Channels for Hot Stamping Dies Manufactured Using Hybrid Process of Laser Metal Deposition (LMD) and Milling. <i>Metals</i> , 2018, 8, 102. | 1.0 | 66 |
| 2 | Latest Developments in Industrial Hybrid Machine Tools that Combine Additive and Subtractive Operations. <i>Materials</i> , 2018, 11, 2583. | 1.3 | 64 |
| 3 | Hardness, grain size and porosity formation prediction on the Laser Metal Deposition of AISI 304 stainless steel. <i>International Journal of Machine Tools and Manufacture</i> , 2018, 135, 53-64. | 6.2 | 41 |
| 4 | Combination of Laser Material Deposition and Laser Surface Processes for the Holistic Manufacture of Inconel 718 Components. <i>Materials</i> , 2018, 11, 1247. | 1.3 | 31 |
| 5 | Study of the Influence of Shielding Gases on Laser Metal Deposition of Inconel 718 Superalloy. <i>Materials</i> , 2018, 11, 1388. | 1.3 | 23 |
| 6 | Functionally Graded AISI 316L and AISI H13 Manufactured by L-DED for Die and Mould Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 771. | 1.3 | 17 |
| 7 | Design and Manufacturing of a Protective Nozzle for Highly Reactive Materials Processing via Laser Material Deposition. <i>Procedia CIRP</i> , 2018, 68, 387-392. | 1.0 | 15 |
| 8 | Inconel 718 laser welding simulation tool based on a moving heat source and phase change. <i>Procedia CIRP</i> , 2018, 74, 674-678. | 1.0 | 14 |
| 9 | Analysis of the Influence of the Use of Cutting Fluid in Hybrid Processes of Machining and Laser Metal Deposition (LMD). <i>Coatings</i> , 2018, 8, 61. | 1.2 | 12 |
| 10 | Study of the reinforcement phase dilution into the metal matrix in functionally graded Stellite 6 and WC metal matrix composite by Laser Metal Deposition. <i>Procedia CIRP</i> , 2020, 94, 330-335. | 1.0 | 8 |
| 11 | Thermal Diffusivity Measurement of Laser-Deposited AISI H13 Tool Steel and Impact on Cooling Performance of Hot Stamping Tools. <i>Metals</i> , 2020, 10, 154. | 1.0 | 8 |
| 12 | Case Study: Modeling of the cycle time reduction in a B-Pillar hot stamping operation using conformal cooling. <i>Procedia Manufacturing</i> , 2019, 41, 50-57. | 1.9 | 7 |
| 13 | Thermomechanical analysis of additively manufactured bimetallic tools for hot stamping. <i>Journal of Manufacturing Processes</i> , 2020, 57, 905-918. | 2.8 | 4 |
| 14 | Study of the porosity generated by the use of cutting fluid in hybrid processes combining machining and Laser Metal Deposition (LMD). <i>Procedia CIRP</i> , 2018, 74, 733-737. | 1.0 | 3 |
| 15 | Analysis of helium used as protective gas in Laser Metal Deposition of Ti6Al4V highly reactive material. <i>Procedia Manufacturing</i> , 2019, 41, 984-991. | 1.9 | 1 |
| 16 | Impact of cutting fluid on hybrid manufacturing of AISI H13 tool steel. <i>Rapid Prototyping Journal</i> , 2021, ahead-of-print, . | 1.6 | 1 |
| 17 | Hozketa-hodien fabrikazioa berotako trokietan laser-ekarpen bidez. <i>Ekaia (journal)</i> , 0, , 71-94. | 0.0 | 0 |
| 18 | ENHANCEMENT OF TRIBOLOGICAL PROPERTIES BY LASER METAL DEPOSITION OF AISI H13 AND WC COATINGS. <i>Dyna (Spain)</i> , 2020, 95, 430-435. | 0.1 | 0 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Txirbil-harroketan erabilitako ebaketa-jariakinaren eragina laser bidezko prozesu gehigarrian konformaziorako trokelen konponketaren kasuan. Ekaia (journal), 2020, , 327-337. | 0.0 | 0 |