

Magdalena Cortina

List of Publications by Year in descending order

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papers

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times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionally Graded AISI 316L and AISI H13 Manufactured by L-DED for Die and Mould Applications. Applied Sciences (Switzerland), 2021, 11, 771.	1.3	17
2	Impact of cutting fluid on hybrid manufacturing of AISI H13 tool steel. Rapid Prototyping Journal, 2021, ahead-of-print, .	1.6	1
3	Thermomechanical analysis of additively manufactured bimetallic tools for hot stamping. Journal of Manufacturing Processes, 2020, 57, 905-918.	2.8	4
4	Study of the reinforcement phase dilution into the metal matrix in functionally graded Stellite 6 and WC metal matrix composite by Laser Metal Deposition. Procedia CIRP, 2020, 94, 330-335.	1.0	8
5	Thermal Diffusivity Measurement of Laser-Deposited AISI H13 Tool Steel and Impact on Cooling Performance of Hot Stamping Tools. Metals, 2020, 10, 154.	1.0	8
6	ENHANCEMENT OF TRIBOLOGICAL PROPERTIES BY LASER METAL DEPOSITION OF AISI H13 AND WC COATINGS. Dyna (Spain), 2020, 95, 430-435.	0.1	0
7	Txirbil-harroketan erabilitako ebaketa-jariakinaren eragina laser bidezko prozesu gehigarrian konformaziorako trokelen konponketaren kasuan. Ekaia (journal), 2020, , 327-337.	0.0	0
8	Case Study: Modeling of the cycle time reduction in a B-Pillar hot stamping operation using conformal cooling. Procedia Manufacturing, 2019, 41, 50-57.	1.9	7
9	Analysis of helium used as protective gas in Laser Metal Deposition of Ti6Al4V highly reactive material. Procedia Manufacturing, 2019, 41, 984-991.	1.9	1
10	Latest Developments in Industrial Hybrid Machine Tools that Combine Additive and Subtractive Operations. Materials, 2018, 11, 2583.	1.3	64
11	Design and Manufacturing of a Protective Nozzle for Highly Reactive Materials Processing via Laser Material Deposition. Procedia CIRP, 2018, 68, 387-392.	1.0	15
12	Inconel 718 laser welding simulation tool based on a moving heat source and phase change. Procedia CIRP, 2018, 74, 674-678.	1.0	14
13	Study of the porosity generated by the use of cutting fluid in hybrid processes combining machining and Laser Metal Deposition (LMD). Procedia CIRP, 2018, 74, 733-737.	1.0	3
14	Combination of Laser Material Deposition and Laser Surface Processes for the Holistic Manufacture of Inconel 718 Components. Materials, 2018, 11, 1247.	1.3	31
15	Study of the Influence of Shielding Gases on Laser Metal Deposition of Inconel 718 Superalloy. Materials, 2018, 11, 1388.	1.3	23
16	Analysis of the Influence of the Use of Cutting Fluid in Hybrid Processes of Machining and Laser Metal Deposition (LMD). Coatings, 2018, 8, 61.	1.2	12
17	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. Metals, 2018, 8, 102.	1.0	66
18	Hardness, grainsize and porosity formation prediction on the Laser Metal Deposition of AISI 304 stainless steel. International Journal of Machine Tools and Manufacture, 2018, 135, 53-64.	6.2	41

#	ARTICLE	IF	CITATIONS
19	Hozketa-hodien fabrikazioa berotako trokeletan laser-ekarpen bidez. Ekaia (journal), 0, , 71-94.	0.0	0