

Milton Pereira

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/985636/publications.pdf>

Version: 2024-02-01

35
papers

323
citations

1039880

9
h-index

940416

16
g-index

35
all docs

35
docs citations

35
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Lack of fusion mitigation in directed energy deposition with laser (DED-L) additive manufacturing through laser remelting. <i>Journal of Manufacturing Processes</i> , 2022, 73, 67-77.	2.8	30
2	Toyota Kata Patterns to Help Teach Process Design: Applying a Project-Based Learning Model. <i>IFIP Advances in Information and Communication Technology</i> , 2022, , 55-67.	0.5	2
3	Modeling layer geometry in directed energy deposition with laser for additive manufacturing. <i>Surface and Coatings Technology</i> , 2021, 409, 126897.	2.2	14
4	Assessment of power modulation formats on penetration depth for laser welding. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	9
5	Reducing processing-induced residual stresses in SAE 4140 steels laser welded using modulated power emission. <i>Optics and Laser Technology</i> , 2021, 140, 107032.	2.2	5
6	Thermocouple positioning through capacitive discharge for temperature monitoring in laser welding. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	3
7	Effect of power modulation frequency on porosity formation in laser welding of SAE 1020 steels. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 2509-2517.	1.5	12
8	Laser remelting of WC-CoCr surface coated by HVOF: Effect on the tribological properties and energy efficiency. <i>Surface and Coatings Technology</i> , 2021, 427, 127841.	2.2	12
9	Abrasion resistance of Ni-Cr-B-Si coating deposited by laser cladding process. <i>Tribology International</i> , 2020, 143, 106002.	3.0	40
10	A convolutional neural network approach on bead geometry estimation for a laser cladding system. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 1811-1821.	1.5	10
11	Wettability modification of laser textured copper surfaces applied to phase change heat transfer. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	4
12	A comparison between LBW and hybrid laser-GMAW processes based on microstructure and weld geometry for hardenable steels. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 2801-2814.	1.5	6
13	Effect of dynamic wire feeding on deposition quality in laser cladding process. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	7
14	Influence of laser metal deposition direction in the abrasive and adhesive wear resistance of Ni-Cr-B-Si coatings. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	4
15	Laser power influence on track's geometry and microstructure aspects of Fe and Sn-based alloy processed by directed energy deposition. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	3
16	Laser-assisted glass-based sealing of polished porcelain stoneware tile surface to increase stain resistance. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3478-3488.	2.8	2
17	Parametrization methodology for laser remelting applied over laser metal deposition single tracks. <i>Journal of Laser Applications</i> , 2020, 32, .	0.8	3
18	Study of the effects of the laser remelting process on the microstructure and properties of the WC-10Co-4Cr coating sprayed by HVOF. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	8

#	ARTICLE	IF	CITATIONS
19	Laser power modulation to grain refinement of SAE 1045 steel welds. Journal of Laser Applications, 2020, 32, .	0.8	10
20	Electric evaluation of hybrid laser-TIG welding: Interaction between arc and laser plume. Journal of Laser Applications, 2020, 32, 022035.	0.8	4
21	Tribological comparison of Inconel 625 coatings deposited via laser metal deposition and tungsten inert gas welding process. Journal of Laser Applications, 2020, 32, .	0.8	11
22	External cladding for cylindrical surfaces through laser metal deposition process. Technical Papers ... Rio Oil & Gas, 2020, 20, 276-277.	0.0	0
23	Laser metal deposition strategies for repairing flat and notched substrates made of Ni-based single crystalline superalloys. Journal of Laser Applications, 2019, 31, 022513.	0.8	5
24	Quality analysis method for powder deposited layers applicable to selective laser sintering and selective laser melting processes. Journal of Laser Applications, 2019, 31, 022306.	0.8	5
25	Power and welding speed influence on bead quality for overlapped joint laser welding. Journal of Laser Applications, 2019, 31, .	0.8	13
26	Comparison of methods to correlate input parameters with depth of penetration in LASER welding. International Journal of Advanced Manufacturing Technology, 2019, 101, 1157-1169.	1.5	13
27	A thermal analysis in laser welding using inverse problems. International Communications in Heat and Mass Transfer, 2018, 92, 112-119.	2.9	22
28	Determination of cut front position in laser cutting. Journal of Physics: Conference Series, 2016, 733, 012038.	0.3	2
29	Contributions for the next generation of 3D metal printing machines. Proceedings of SPIE, 2015, , .	0.8	0
30	Process observation in fiber laser-based selective laser melting. Optical Engineering, 2014, 54, 011008.	0.5	38
31	Tracking the course of the manufacturing process in selective laser melting. , 2014, , .		3
32	Measurement of Cut Front Properties in Laser Cutting. Physics Procedia, 2014, 56, 885-891.	1.2	13
33	Evaluation of measurement uncertainties for a scratching tester. Measurement: Journal of the International Measurement Confederation, 2006, 39, 594-604.	2.5	3
34	Analysis of Interlayer Idle Time as a Temperature Control Technique in Additive Manufacturing of Thick Walls by Means of CMT and CMT Pulse Welding Processes. Soldagem E Inspecao, 0, 25, .	0.6	7
35	Effect of Laser Remelting on Tribological Performance of Ni-Cr-B-Si Coatings Deposited by Laser Metal Deposition. Soldagem E Inspecao, 0, 25, .	0.6	0