

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	Abrasion resistance of Ni-Cr-B-Si coating deposited by laser cladding process. Tribology International, 2020, 143, 106002.	3.0	40
2	Process observation in fiber laser-based selective laser melting. Optical Engineering, 2014, 54, 011008.	0.5	38
3	Lack of fusion mitigation in directed energy deposition with laser (DED-L) additive manufacturing through laser remelting. Journal of Manufacturing Processes, 2022, 73, 67-77.	2.8	30
4	A thermal analysis in laser welding using inverse problems. International Communications in Heat and Mass Transfer, 2018, 92, 112-119.	2.9	22
5	Modeling layer geometry in directed energy deposition with laser for additive manufacturing. Surface and Coatings Technology, 2021, 409, 126897.	2.2	14
6	Measurement of Cut Front Properties in Laser Cutting. Physics Procedia, 2014, 56, 885-891.	1.2	13
7	Power and welding speed influence on bead quality for overlapped joint laser welding. Journal of Laser Applications, 2019, 31, .	0.8	13
8	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
9	Effect of power modulation frequency on porosity formation in laser welding of SAE 1020 steels. International Journal of Advanced Manufacturing Technology, 2021, 112, 2509-2517.	1.5	12
10	Laser remelting of WC-CoCr surface coated by HVOF: Effect on the tribological properties and energy efficiency. Surface and Coatings Technology, 2021, 427, 127841.	2.2	12
11	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
12	A convolutional neural network approach on bead geometry estimation for a laser cladding system. International Journal of Advanced Manufacturing Technology, 2020, 106, 1811-1821.	1.5	10
13	Laser power modulation to grain refinement of SAE 1045 steel welds. Journal of Laser Applications, 2020, 32, .	0.8	10
14	Assessment of power modulation formats on penetration depth for laser welding. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	9
15	Study of the effects of the laser remelting process on the microstructure and properties of the WC-10Co-4Cr coating sprayed by HVOF. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	8
16	Effect of dynamic wire feeding on deposition quality in laser cladding process. Journal of Laser Applications, 2020, 32, .	0.8	7
17	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
18	A comparison between LBW and hybrid laser-GMAW processes based on microstructure and weld geometry for hardenable steels. International Journal of Advanced Manufacturing Technology, 2020, 110, 2801-2814.	1.5	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Reducing processing-induced residual stresses in SAE 4140 steels laser welded using modulated power emission. Optics and Laser Technology, 2021, 140, 107032.	2.2	5
22	Wettability modification of laser textured copper surfaces applied to phase change heat transfer. Journal of Laser Applications, 2020, 32, .	0.8	4
23	Influence of laser metal deposition direction in the abrasive and adhesive wear resistance of Ni-Cr-B-Si coatings. Journal of Laser Applications, 2020, 32, .	0.8	4
24	Electric evaluation of hybrid laser-TIG welding: Interaction between arc and laser plume. Journal of Laser Applications, 2020, 32, 022035.	0.8	4
25	Evaluation of measurement uncertainties for a scratching tester. Measurement: Journal of the International Measurement Confederation, 2006, 39, 594-604.	2.5	3
26	Tracking the course of the manufacturing process in selective laser melting. , 2014, , .		3
27	Laser power influence on track's geometry and microstructure aspects of Fe and Sn-based alloy processed by directed energy deposition. Journal of Laser Applications, 2020, 32, .	0.8	3
28	Parametrization methodology for laser remelting applied over laser metal deposition single tracks. Journal of Laser Applications, 2020, 32, .	0.8	3
29	Thermocouple positioning through capacitive discharge for temperature monitoring in laser welding. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	3
30	Determination of cut front position in laser cutting. Journal of Physics: Conference Series, 2016, 733, 012038.	0.3	2
31	Laser-assisted glass-based sealing of polished porcelain stoneware tile surface to increase stain resistance. Journal of the European Ceramic Society, 2020, 40, 3478-3488.	2.8	2
32	Toyota Kata Patterns to Help Teach Process Design: Applying a Project-Based Learning Model. IFIP Advances in Information and Communication Technology, 2022, , 55-67.	0.5	2
33	Contributions for the next generation of 3D metal printing machines. Proceedings of SPIE, 2015, , .	0.8	0
34	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
35	External cladding for cylindrical surfaces through laser metal deposition process. Technical Papers ... Rio Oil & Gas, 2020, 20, 276-277.	0.0	0