

Leonardo Rosa Ribeiro da Silva

List of Publications by Year in descending order

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33
papers

831
citations

471509

17
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on design and development of cryogenic machining setups for heat resistant alloys and composites. <i>Journal of Manufacturing Processes</i> , 2021, 68, 398-422.	5.9	119
2	A comprehensive review on metallic implant biomaterials and their subtractive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 1473-1530.	3.0	95
3	Performance evaluation of diamond nanolubricants applied to a refrigeration system. <i>International Journal of Refrigeration</i> , 2019, 100, 104-112.	3.4	52
4	State of the art of tool texturing in machining. <i>Journal of Materials Processing Technology</i> , 2021, 293, 117096.	6.3	51
5	A review of surface integrity in machining of hardened steels. <i>Journal of Manufacturing Processes</i> , 2020, 58, 136-162.	5.9	45
6	Application of measurement systems in tool condition monitoring of Milling: A review of measurement science approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 199, 111503.	5.0	44
7	Influence of grinding parameters on Inconel 625 surface grinding. <i>Journal of Manufacturing Processes</i> , 2020, 55, 174-185.	5.9	35
8	A comprehensive review on additive manufacturing of medical devices. <i>Progress in Additive Manufacturing</i> , 2021, 6, 517-553.	4.8	35
9	Performance evaluation of vegetable-based cutting fluids in turning of AISI 1050 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 1603-1619.	3.0	31
10	Experimental study on thermal and tribological performance of diamond nanolubricants applied to a refrigeration system using R32. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119493.	4.8	31
11	Critical assessment of compacted graphite cast iron machinability in the milling process. <i>Journal of Manufacturing Processes</i> , 2020, 56, 63-74.	5.9	29
12	Tribological behavior of gray cast iron textured by maskless electrochemical texturing. <i>Wear</i> , 2017, 376-377, 1601-1610.	3.1	28
13	Cutting Temperatures in End Milling of Compacted Graphite Irons. <i>Procedia Manufacturing</i> , 2018, 26, 474-484.	1.9	24
14	Topographical analysis of machined surfaces after grinding with different cooling-lubrication techniques. <i>Tribology International</i> , 2020, 141, 105962.	5.9	21
15	Comprehensive study on Inconel 718 surface topography after grinding. <i>Tribology International</i> , 2021, 158, 106919.	5.9	21
16	Effect of tool wear on the surface integrity of Inconel 718 in face milling with cemented carbide tools. <i>Wear</i> , 2021, 476, 203752.	3.1	21
17	Analysis of the coefficient of friction at the workpiece-tool interface in milling of high strength compacted graphite cast irons. <i>Wear</i> , 2019, 426-427, 1646-1657.	3.1	20
18	A surface and sub-surface quality evaluation of three cast iron grades after grinding under various cutting conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 1839-1852.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Tool wear monitoring in drilling of high-strength compacted graphite cast irons. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 207-218.	2.4	16
20	Surface Modification of Medical-Grade Ni55.6Ti44.4 alloy via enhanced machining characteristics of Zn Powder Mixed- $\frac{1}{4}$ -EDM. Surface and Coatings Technology, 2021, 425, 127725.	4.8	15
21	Influence of milling direction in the machinability of Inconel 718 with submicron grain cemented carbide tools. International Journal of Advanced Manufacturing Technology, 2019, 105, 1343-1355.	3.0	13
22	Improvements of the MQL Cooling-Lubrication Condition by the Addition of Multilayer Graphene Platelets in Peripheral Grinding of SAE 52100 Steel. Lubricants, 2021, 9, 79.	2.9	13
23	Effect of Graphene Addition in Cutting Fluids Applied by MQL in End Milling of AISI 1045 Steel. Lubricants, 2021, 9, 70.	2.9	10
24	Relationship between mechanical and metallurgical properties with machinability when drilling high-strength cast irons. International Journal of Advanced Manufacturing Technology, 2020, 106, 3389-3407.	3.0	9
25	Effects of calcium-treatment of a plastic injection mold steel on the tool wear and power consumption in slot milling. Journal of Materials Research and Technology, 2021, 13, 1103-1114.	5.8	9
26	Maskless Electrochemical Texturing of Automotive Cylinders. Materials Performance and Characterization, 2017, 6, MPC20160027.	0.3	8
27	Monitoring tool wear and surface roughness in the face milling process of high-strength compacted graphite cast irons. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	6
28	Evaluation of the tool wear in the turning process of INCONEL 718 using PCD tools. Procedia Manufacturing, 2021, 53, 276-285.	1.9	4
29	Influence of finishing post-treatment on drill rake and margin surfaces in the drilling of SAE 4144M steel. CIRP Journal of Manufacturing Science and Technology, 2022, 37, 81-91.	4.5	3
30	Flame spraying of Al/Fe3Al-Fe3AlCx composites powders obtained by vertical ball milling. Surface and Coatings Technology, 2022, 436, 128276.	4.8	2
31	TEMPERATURE MEASUREMENT OF POLYMERS UNDER INTERMITTENT HEATING THROUGH USE OF THERMOCOUPLE AND ARDUINO® MICROCONTROLLER. Revista De Engenharia TÁ©mica, 2021, 20, 87.	0.2	0
32	The effect of mesh parameters on computational cost and results in simulation of milling in Inconel 718. Acta Scientiarum - Technology, 0, 43, e52363.	0.4	0
33	STUDY OF THE INFLUENCE OF THE DIAMETER OF MODIFIED TOOLS WITH INTERNAL COOLING CHANNELS UNDER DIFFERENT THERMAL FLOWS. Revista De Engenharia TÁ©mica, 2021, 20, 16.	0.2	0