

# Robson Bruno Dutra Pereira

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

330  
citations

1040056

9  
h-index

888059

17  
g-index

31  
all docs

31  
docs citations

31  
times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of helical milling process. International Journal of Machine Tools and Manufacture, 2017, 120, 27-48.	13.4	117
2	Multi-objective robust optimization of the sustainable helical milling process of the aluminum alloy Al 7075 using the augmented-enhanced normalized normal constraint method. Journal of Cleaner Production, 2017, 152, 474-496.	9.3	25
3	Combining Scott-Knott and GR&R methods to identify special causes of variation. Measurement: Journal of the International Measurement Confederation, 2016, 82, 135-144.	5.0	18
4	A Study of the Effect of Conventional Drilling and Helical Milling in Surface Quality in Titanium Ti-6Al-4V and Ti-6Al-7Nb Alloys for Medical Applications. Arabian Journal for Science and Engineering, 2021, 46, 2361-2369.	3.0	18
5	Multi-objective robust design of helical milling hole quality on AISI H13 hardened steel by normalized normal constraint coupled with robust parameter design. Applied Soft Computing Journal, 2019, 75, 652-685.	7.2	17
6	Tool wear in dry helical milling for hole-making in AISI H13 hardened steel. International Journal of Advanced Manufacturing Technology, 2019, 101, 2425-2439.	3.0	14
7	State of the art on internal thread manufacturing: a review. International Journal of Advanced Manufacturing Technology, 2020, 110, 3445-3465.	3.0	13
8	Multivariate robust modeling and optimization of cutting forces of the helical milling process of the aluminum alloy Al 7075. International Journal of Advanced Manufacturing Technology, 2018, 95, 2691-2715.	3.0	12
9	Multivariate GR&R through factor analysis. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107107.	5.0	11
10	Analysis of surface roughness and cutting force when turning AISI 1045 steel with grooved tools through Scott-Knott method. International Journal of Advanced Manufacturing Technology, 2013, 69, 1431-1441.	3.0	8
11	Performance Investigation of Cryo-treated End Mill on the Mechanical and in vitro behavior of Hybrid-lubri-coolant-milled Ti-6Al-4V alloy. Journal of Manufacturing Processes, 2021, 71, 472-488.	5.9	8
12	Robust modeling and optimization of borehole enlarging by helical milling of aluminum alloy Al7075. International Journal of Advanced Manufacturing Technology, 2019, 100, 2583-2599.	3.0	7
13	Investigation and modelling of the cutting forces in turning process of the Ti-6Al-4V and Ti-6Al-7Nb titanium alloys. International Journal of Advanced Manufacturing Technology, 2019, 101, 2191-2203.	3.0	6
14	Multi-objective robust evolutionary optimization of the boring process of AISI 4130 steel. International Journal of Advanced Manufacturing Technology, 2021, 112, 1745-1765.	3.0	6
15	Multi-objective evolutionary optimization of unsupervised latent variables of turning process. Applied Soft Computing Journal, 2022, 120, 108713.	7.2	6
16	Influence of cutting parameters on surface hardening of 52100 steel in flat grinding process. International Journal of Advanced Manufacturing Technology, 2018, 96, 751-764.	3.0	5
17	Intelligent machining methods for Ti6Al4V: A review. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1188-1210.	2.5	5
18	Comparison between the machinability of different titanium alloys (Ti-6Al-4V and Ti-6Al-7Nb) employing the multi-objective optimization. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	5

#	ARTICLE	IF	CITATIONS
19	The enhanced normalized normal constraint approach to multi-objective robust optimization in helical milling process of AISI H13 hardened with crossed array. International Journal of Advanced Manufacturing Technology, 2022, 119, 2763-2784.	3.0	5
20	Influence of chip breaker and helix angle on cutting efforts in the internal threading process. International Journal of Advanced Manufacturing Technology, 2019, 102, 1537-1546.	3.0	4
21	Mixture design applied to the development of composites for steatite historical monuments restoration. Journal of Cultural Heritage, 2020, 45, 152-159.	3.3	4
22	Influence of Contact Plateaus Characteristics Formed on the Surface of Brake Friction Materials in Braking Performance through Experimental Tests. Materials, 2021, 14, 4931.	2.9	4
23	Multivariate global index and multivariate mean square error optimization of AISI 1045 end milling. International Journal of Advanced Manufacturing Technology, 2016, 87, 3195-3209.	3.0	3
24	Enhancing Productivity by Means of High Feed Rate in the Drilling of Al 2011 Aluminium Alloy. Arabian Journal for Science and Engineering, 2019, 44, 8035-8042.	3.0	3
25	Research on the wear mechanisms during the high-speed tapping in 316L stainless steel. International Journal of Advanced Manufacturing Technology, 2021, 112, 419-436.	3.0	3
26	Performance evaluation of tapping processes using a 7075 aluminium alloy with different cooling systems and threading heads. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 6793-6806.	2.1	2
27	Statistical process control of the vertical form, fill and seal packaging machine in food industry. Journal of Food Process Engineering, 2021, 44, e13614.	2.9	1
28	Mean Square Error and Robust Parameter Design optimization of surface roughness Al7075 helical milling process. , 0, , .		0
29	OtimizaÃ§Ã£o robusta do fresamento de topo de acabamento do aÃ§Ã£o ABNT 1045 considerando o comprimento em balanÃ§Ã£o da ferramenta. , 0, , .		0
30	A bootstrap control chart for the availability index. International Journal of Advanced Manufacturing Technology, 0, , 1.	3.0	0
31	Influence of test parameters on the cyclic oxidation behavior of AISI 310 and a new Fe-5.9Si-3.9Cr-4.5Ni-0.8C (wt.%) alloy. Revista Materia, 2022, 27, .	0.2	0