

# Marcio Da Silva

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6865044/publications.pdf>

Version: 2024-02-01

55  
papers

1,141  
citations

430874

18  
h-index

414414

32  
g-index

55  
all docs

55  
docs citations

55  
times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-machining of additively manufactured metals: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 118, 2059-2078.	3.0	9
2	Tool wear monitoring in micromilling using Support Vector Machine with vibration and sound sensors. <i>Precision Engineering</i> , 2021, 67, 137-151.	3.4	65
3	Identification of cutting tool wear condition in turning using self-organizing map trained with imbalanced data. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 127-140.	7.3	27
4	Avaliação da influência do fluido de corte na formação de rebarbas no microfresamento DE INCONEL 718 e aço Inoxidável duplex UNS S32205 / Evaluation of the cutting fluid influence in the burr formation when micro milling INCONEL 718 and UNS S32205 duplex stainless steel. <i>Brazilian Journal of Development</i> , 2021, 7, 56931-56944.	0.1	2
5	Experimental and computational contribution to chip geometry evaluation when micromilling Inconel 718. <i>Wear</i> , 2021, 476, 203658.	3.1	12
6	Proposta de trabalho: Estudo da influência da aplicação de fluido de corte à alta pressão durante o fresamento do aço ABNT 1045 / Work Proposal: Study of the influence of high pressure cutting fluid application during milling of ABNT 1045 steel. <i>Brazilian Journal of Development</i> , 2021, 7, 97523-97529.	0.1	0
7	Experimental study of micromilling operation of stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 3123-3139.	3.0	4
8	Wear of TiAlN and DLC coated microtools in micromilling of Ti-6Al-4V alloy. <i>Journal of Manufacturing Processes</i> , 2020, 56, 337-349.	5.9	27
9	Influence of cutting fluid application frequency on the surface quality of micromilled slots on Inconel 718 alloy. <i>Procedia Manufacturing</i> , 2020, 48, 553-558.	1.9	14
10	An approach to torque and temperature thread by thread on tapping. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 4891-4901.	3.0	12
11	A comparative study of two indirect methods to monitor surface integrity of ground components. <i>Structural Health Monitoring</i> , 2020, 19, 1856-1870.	7.5	8
12	Investigation of burr formation and tool wear in micromilling operation of duplex stainless steel. <i>Precision Engineering</i> , 2019, 60, 178-188.	3.4	18
13	Spheroidal chip in micromilling. <i>Wear</i> , 2019, 426-427, 1672-1682.	3.1	12
14	Statistical analysis of cutting forces and hole accuracy in reaming an Al-Si-Mg alloy (6351) with different copper contents. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	6
15	Estimation of a Moving Heat Source due to a Micromilling Process Using the Modified TFBCF Technique. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-8.	1.1	2
16	Tungsten carbide micro-tool wear when micro milling UNS S32205 duplex stainless steel. <i>Wear</i> , 2018, 414-415, 109-117.	3.1	39
17	Computational analysis of turning G10530 steel to eliminate chip crowding using variable cutting speeds. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 2341-2363.	3.0	1
18	Predicting chip and non-chip formation when micromachining Ti-6Al-4V titanium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 955-985.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Study of the internal thread process with cut and form taps according to secondary characteristics of the process. International Journal of Advanced Manufacturing Technology, 2017, 93, 2357-2368.	3.0	18
20	Surface integrity and tool life when turning of Ti-6Al-4V with coolant applied by different methods. International Journal of Advanced Manufacturing Technology, 2017, 93, 1893-1902.	3.0	19
21	Burr height minimization using the response surface methodology in milling of PH 13-8 Mo stainless steel. International Journal of Advanced Manufacturing Technology, 2016, 87, 3485-3496.	3.0	13
22	A probabilistic neural network applied in monitoring tool wear in the end milling operation via acoustic emission and cutting power signals. Machining Science and Technology, 2016, 20, 386-405.	2.5	39
23	Effect of Cutting Fluid on Micromilling of Ti-6Al-4V Titanium Alloy. Procedia Manufacturing, 2016, 5, 332-347.	1.9	28
24	Advances in the Turning of Titanium Alloys with Carbide and Superabrasive Cutting Tools. Advanced Materials Research, 2016, 1135, 234-254.	0.3	5
25	Analysis of tapping process in three types of cast iron. International Journal of Advanced Manufacturing Technology, 2016, 82, 1041-1048.	3.0	18
26	Atomic Scale Machining of Medical Materials. , 2016, , 1-54.		0
27	Built-Up-Edge Formation in Micromilling. , 2015, , .		2
28	<b>Study of machinability of VP 100 steel with different levels of titanium in end milling operations. Acta Scientiarum - Technology, 2015, 37, 41.	0.4	0
29	Influence of Copper Content on 6351 Aluminum Alloy Machinability. Procedia Manufacturing, 2015, 1, 683-695.	1.9	21
30	Machining medical grade titanium alloys using nonabrasive nanolayered cutting tools. , 2015, , 225-248.		0
31	Economic Analysis of Machining with Nanostructured Coatings. , 2015, , 177-199.		0
32	Study of burr height in face milling of PH 13-8 Mo stainless steelâ€“â€“Transition from primary to secondary burr and benefits of deburring between passes. CIRP Journal of Manufacturing Science and Technology, 2015, 10, 61-67.	4.5	9
33	Study of burr behavior in face milling of PH 13-8 Mo stainless steel. CIRP Journal of Manufacturing Science and Technology, 2015, 8, 34-42.	4.5	25
34	Modeling and Machining of Medical Materials. , 2015, , 231-271.		1
35	Analysis of Machining Hardened Steels Using Coated Cutting Tools. , 2015, , 201-230.		0
36	&lt;b>Study of the application of sunflower oil in the process of drilling ABNT 1045 steel&lt;b>,. Acta Scientiarum - Technology, 2014, 36, 257.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Analyses of Effects of Cutting Parameters on Cutting Edge Temperature Using Inverse Heat Conduction Technique. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	1.1	8
38	Development of a tool-work thermocouple calibration system with physical compensation to study the influence of tool-holder material on cutting temperature in machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 735-747.	3.0	33
39	Evaluation of the effect of application of cutting fluid at high pressure on tool wear during turning operation of AISI 316 austenitic stainless steel. <i>Wear</i> , 2013, 302, 1201-1208.	3.1	90
40	Effect of Silicon Content of Aluminum Alloy 6351 in Turning Process. , 2012, , .		1
41	Estimation of heat flux and temperature field during drilling process using dynamic observers based on Green's function. <i>Applied Thermal Engineering</i> , 2012, 48, 144-154.	6.0	31
42	Analysis of wear of cemented carbide cutting tools during milling operation of gray iron and compacted graphite iron. <i>Wear</i> , 2011, 271, 2426-2432.	3.1	45
43	Influence of tellurium addition on drilling of microalloyed steel (DIN 38MnS6). <i>Industrial Lubrication and Tribology</i> , 2011, 63, 420-426.	1.3	13
44	Burr produced on the drilling process as a function of tool wear and lubricant-coolant conditions. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2009, 31, 57-63.	1.6	34
45	Performance of high-speed steel taps at high cutting speed. <i>International Journal of Machining and Machinability of Materials</i> , 2007, 2, 299.	0.1	5
46	Tribological evaluation of TiN and TiAlN coated PM-HSS gear cutter when machining 19MnCr5 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 31, 629-637.	3.0	18
47	Application of factorial design for studying the burr behaviour during face milling of motor engine blocks. <i>Journal of Materials Processing Technology</i> , 2006, 179, 154-160.	6.3	11
48	Intervening variables in electrochemical machining. <i>Journal of Materials Processing Technology</i> , 2006, 179, 92-96.	6.3	81
49	Influence of the number of inserts for tool life evaluation in face milling of steels. <i>International Journal of Machine Tools and Manufacture</i> , 2004, 44, 695-700.	13.4	43
50	Tribological characterisation of PVD coatings for cutting tools. <i>Surface and Coatings Technology</i> , 2004, 184, 141-148.	4.8	30
51	Avaliaço de superfcies usinadas por diferentes fluidos dieltricos no processo de usinagem por eletroeroso. <i>Revista Escola De Minas</i> , 2003, 56, 91-96.	0.1	2
52	Surface finish and lubrication at low cutting speeds. <i>Materials Science and Technology</i> , 1999, 15, 221-225.	1.6	1
53	Cutting temperature: prediction and measurement methodsa review. <i>Journal of Materials Processing Technology</i> , 1999, 88, 195-202.	6.3	204
54	Lubrication and application method in machining. <i>Industrial Lubrication and Tribology</i> , 1998, 50, 149-152.	1.3	14

#	ARTICLE	IF	CITATIONS
55	Performance of Synthetic and Mineral Soluble Oil When Turning AISI 8640 Steel. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 1997, 119, 580-586.	2.2	9