

Jefferson de Oliveira Gomes

List of Publications by Year in descending order

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67
papers

531
citations

758635

12
h-index

794141

19
g-index

68
all docs

68
docs citations

68
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Residual stress interaction on gear manufacturing. Journal of Materials Processing Technology, 2018, 252, 249-258.	3.1	39
2	Evaluation of high-speed end-milling dynamic stability through audio signal measurements. Journal of Materials Processing Technology, 2006, 179, 133-138.	3.1	34
3	High-speed finishing milling of industrial graphite electrodes. Journal of Materials Processing Technology, 2006, 179, 128-132.	3.1	31
4	Performance of the jatropha vegetable-base soluble cutting oil as a renewable source in the aluminum alloy 7050-T7451 milling. CIRP Journal of Manufacturing Science and Technology, 2014, 7, 210-221.	2.3	29
5	Applying decision methods to select rapid prototyping technologies. Rapid Prototyping Journal, 2010, 16, 50-62.	1.6	28
6	An analysis of the machinability of ASTM grades 2 and 3 austempered ductile iron. Journal of Materials Processing Technology, 2013, 213, 560-573.	3.1	24
7	Proposed Framework for End-of-life Aircraft Recycling. Procedia CIRP, 2015, 26, 311-316.	1.0	24
8	Knowledge management support for collaborative emergency response. , 2005, , .		23
9	Use of Jatropha and Moringa oils for lubricants: Metalworking fluids more environmental-friendly. Industrial Crops and Products, 2019, 129, 594-603.	2.5	19
10	Methodological tools for assessing the sustainability index (SI) of industrial production processes. International Journal of Advanced Manufacturing Technology, 2016, 87, 1313-1325.	1.5	17
11	Potential of niobium carbide application as the hard phase in cutting tool substrate. International Journal of Refractory Metals and Hard Materials, 2018, 70, 116-123.	1.7	16
12	Social Life Cycle Assessment of three Companies of the Furniture Sector. Procedia CIRP, 2015, 29, 150-155.	1.0	14
13	The influence on gear surface properties using shot peening with a bimodal media size distribution. Journal of Materials Processing Technology, 2013, 213, 2152-2162.	3.1	13
14	Application of Hall effect for assessing grinding thermal damage. Journal of Materials Processing Technology, 2019, 270, 356-364.	3.1	13
15	Vibration Analysis and Energy Efficiency in Interrupted Face Milling Processes. Procedia CIRP, 2015, 29, 245-250.	1.0	12
16	The Jatropha curcas vegetable base soluble cutting oil as a renewable source in the machining of aluminum alloy 7050-T7451. Industrial Lubrication and Tribology, 2015, 67, 181-195.	0.6	12
17	Design and operation of a high temperature wear test apparatus for automotive valve materials. Wear, 2015, 342-343, 129-137.	1.5	12
18	Geometrical analysis and tensile behaviour of parts manufactured with flame retardant polymers by additive manufacturing. Rapid Prototyping Journal, 2017, 23, 169-180.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Tribological evaluation of the Jatropha and Tung-based oils as bio-lubricants on Al-7050-T7451 alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	11
20	Analysis of high-speed milling dynamic stability through sound pressure, machining force and tool displacement measurements. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1774-1783.	1.5	9
21	Assessing the heterogeneity of residual stress for complementing the fatigue performance comprehension. Journal of Strain Analysis for Engineering Design, 2016, 51, 347-357.	1.0	9
22	A Framework to Integrate the End-of-Life Aircraft in Preliminary Design. Procedia CIRP, 2014, 15, 508-513.	1.0	8
23	Method for Increasing Energy Efficiency in Flexible Manufacturing Systems: A Case Study. Procedia CIRP, 2015, 29, 40-44.	1.0	8
24	Influence of the fatty acid profile on the lubricating film formation in micro-milling process on 7050-T7451 aluminum alloy. International Journal of Advanced Manufacturing Technology, 2020, 106, 233-241.	1.5	7
25	Application of Resilience Engineering on Safety in Offshore Helicopter Transportation. , 2006, , .		6
26	Supporting the System Requirements Elicitation through Collaborative Observations. Lecture Notes in Computer Science, 2008, , 364-379.	1.0	6
27	Sustainability Assessment in Conventional and Industrialized Systems Built in Brazil. Procedia CIRP, 2015, 29, 144-149.	1.0	6
28	Evaluation of carbon fiber reinforced polymer (CFRP) machining by applying industrial robots. Science and Engineering of Composite Materials, 2021, 28, 285-298.	0.6	6
29	An Observation Model for the Collaborative Analysis of Real Workplaces. , 2007, , .		5
30	Energy Efficiency Evaluation for Machining Process in Flexible Manufacturing Systems – A Case Study. Procedia CIRP, 2015, 29, 104-108.	1.0	5
31	Reducing the Development Life Cycle of Automotive Valves and Seat Valves Using a New Workbench for High Temperature Wear Testing. Procedia CIRP, 2015, 29, 833-838.	1.0	5
32	A privacidade em tempos de pandemia e a escada de monitoramento e rastreio. Estudos Avancados, 2020, 34, 175-190.	0.2	5
33	Design of a Nuclear Power Plant Supervisory Control System. , 2006, , .		4
34	Evaluation of 5-axis HSC dynamic behavior when milling TiAl6V4 blades. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2010, 32, 208-217.	0.8	4
35	Decision support system interface design for radiological emergency response coordination in Brazil. , 2011, , .		4
36	Influence of Hard and Soft Inclusions on the Machinability and Polishability of VP100 Mold Steel. Advanced Materials Research, 0, 223, 464-472.	0.3	4

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37	Influence of inclusion contents on the micro-machinability of three plastic mold steels. International Journal of Advanced Manufacturing Technology, 2013, 68, 2451-2460.	1.5	4
38	Evaluating preparedness and resilience initiatives for distressed populations vulnerable to disasters in Rio de Janeiro, Brazil. , 2013, , .		4
39	Experimental approach for analysis of vibration sources in a gear hobbing machining process. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 789-797.	0.8	4
40	Strategic Management Method for the Incubation Process of Industrial Companies: Case Study of the Tooling Industry in Brazil. Procedia CIRP, 2016, 41, 129-134.	1.0	4
41	A new approach to reduce the carbon footprint in resistance spot welding by energy efficiency evaluation. International Journal of Advanced Manufacturing Technology, 2022, 119, 6503-6520.	1.5	4
42	Analysis of the tribological behaviour of an automotive engine exhaust valve and a valve seat using a newly developed high temperature workbench. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 1743-1749.	0.8	3
43	Designing a ballast control system operator interface. , 2005, , .		2
44	Critical Review and Redesign of a Petroleum Industry Accident/Incident Reporting System. , 2006, , .		2
45	A cooperative assessment of the response capability of emergency organizations. , 2008, , .		2
46	Surface Finish Assessment of Polishing Process of Tool Steels by Abrasion, Using Diamond and Alumina Particles. Advanced Materials Research, 2013, 716, 423-429.	0.3	2
47	Reliability of the Sustainability Assessment. Procedia CIRP, 2014, 15, 361-366.	1.0	2
48	Supply Chain Development “ Model, Opportunities, and Challenges. Procedia CIRP, 2016, 41, 544-549.	1.0	2
49	Evaluation of Additive Manufacturing Parts Machinability using Automated GMAW ER70S-6 with Nodular Cast Iron. U Porto Journal of Engineering, 2021, 7, 88-97.	0.2	2
50	Sustainable Layout Planning Requirements by Integration of Discrete Event Simulation Analysis (DES) with Life Cycle Assessment (LCA). IFIP Advances in Information and Communication Technology, 2013, , 232-239.	0.5	2
51	Helicopter offshore safety in the Brazilian oil and gas industry. , 2005, , .		1
52	Out of well control. , 2005, , .		1
53	Extending producer responsibility: Framework to incorporate life cycle assessment in aircraft preliminary design based on take-back policies. , 2014, , .		1
54	Proposal of an Innovative Environment for Supporting Production Scale-up, Including Design, Prototyping, Manufacturing, Assembly, Testing, and Certification of Products that Require Special Conditions. Procedia CIRP, 2016, 41, 177-182.	1.0	1

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55	Comparative analysis between challenges in a Brazilian perspective and worldwide initiatives in Advanced Manufacturing. Brazilian Journal of Operations and Production Management, 2018, 15, 209-223.	0.8	1
56	Applying a Benchmarking Methodology to Empower a Virtual Organisation. , 2004, , 279-286.		0
57	The design of a management decision support tool for an ergonomics problem reporting system. , 2008, , .		0
58	Human factors analysis and interface design for a truck dispatching system. , 2008, , .		0
59	ANALYSIS OF DRILLING PARAMETERS IN AIRCRAFT STRUCTURES. , 2008, , .		0
60	MEDIA CLASSES SELECTION FOR HYBRID PEENING. , 0, , .		0
61	Redesigning the user interface for an Intelligent Oilfield System. , 2009, , .		0
62	Simultaneous five-axis finishing milling of TiAl6V4 centrifugal compressor blades: a dynamic evaluation of lead and tilt angles variation. International Journal of Mechatronics and Manufacturing Systems, 2011, 4, 322.	0.1	0
63	Influence of Worn Tool on Polishability and Wear Resistance of VP20ISO Mold Steel. Advanced Materials Research, 2011, 223, 449-455.	0.3	0
64	Corrigendum to "Application of Hall effect for assessing grinding thermal damage" [J. Mater. Process. Technol. 270 (2019) 356-364]. Journal of Materials Processing Technology, 2019, 274, 116299.	3.1	0
65	Titanium Ti-6Al-4V Alloy Milling by Applying Industrial Robots. U Porto Journal of Engineering, 2021, 7, 69-77.	0.2	0
66	Adapted versus Projected Machining Centers Energy Consumption for MQL Technique. U Porto Journal of Engineering, 2021, 7, 78-87.	0.2	0
67	Combining Collaborative Networks and Knowledge Management: The SENAI Case. Lecture Notes in Computer Science, 2014, , 664-672.	1.0	0