

Ana Isabel Fernandez-Abia

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

751
citations

840776

11
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryogenic and minimum quantity lubrication for an eco-efficiency turning of AISI 304. Journal of Cleaner Production, 2016, 139, 440-449.	9.3	238
2	Nozzle design for combined use of MQL and cryogenic gas in machining. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 87-95.	4.9	97
3	Effect of very high cutting speeds on shearing, cutting forces and roughness in dry turning of austenitic stainless steels. International Journal of Advanced Manufacturing Technology, 2011, 57, 61-71.	3.0	78
4	Behaviour of PVD Coatings in the Turning of Austenitic Stainless Steels. Procedia Engineering, 2013, 63, 133-141.	1.2	67
5	Behavior of austenitic stainless steels at high speed turning using specific force coefficients. International Journal of Advanced Manufacturing Technology, 2012, 62, 505-515.	3.0	60
6	Effect of mechanical pre-treatments in the behaviour of nanostructured PVD-coated tools in turning. International Journal of Advanced Manufacturing Technology, 2014, 73, 1119-1132.	3.0	34
7	Cryogenic Hard Turning of ASP23 Steel Using Carbon Dioxide. Procedia Engineering, 2015, 132, 486-491.	1.2	28
8	Microstructureâ€“Hardnessâ€“Corrosion Performance of 17â€“4 Precipitation Hardening Stainless Steels Processed by Selective Laser Melting in Comparison with Commercial Alloy. Metals and Materials International, 2022, 28, 2652-2667.	3.4	21
9	Application of a Force Sensor to Improve the Reliability of Measurement with Articulated Arm Coordinate Measuring Machines. Sensors, 2013, 13, 10430-10448.	3.8	20
10	TCM system in contour milling of very thick-very large steel plates based on vibration and AE signals. Journal of Materials Processing Technology, 2017, 246, 144-157.	6.3	15
11	Analysis of influence factors on part quality in micro-SLA technology. Procedia Manufacturing, 2017, 13, 856-863.	1.9	13
12	Design of a TCM System Based on Vibration Signal for Metal Turning Processes. Procedia Engineering, 2015, 132, 405-412.	1.2	11
13	Knowledge base model for automatic probe orientation and configuration planning with CMMs. Robotics and Computer-Integrated Manufacturing, 2018, 49, 285-300.	9.9	10
14	Heat treatments for improved quality binder jetted molds for casting aluminum alloys. Additive Manufacturing, 2020, 36, 101524.	3.0	10
15	Comparative Study on Microstructure and Corrosion Resistance of Al-Si Alloy Cast from Sand Mold and Binder Jetting Mold. Metals, 2021, 11, 1421.	2.3	9
16	High-performance machining of austenitic stainless steels. , 2013, , 29-90.		6
17	Feasibility of Calcium Sulfate Moulds Made by Inkjet 3D Printing for Rapid Casting of Aluminium Alloys. Metals, 2020, 10, 802.	2.3	6
18	KBE rules oriented to resources management in coordinates inspection by contact. Journal of Manufacturing Systems, 2015, 37, 149-163.	13.9	5

#	ARTICLE	IF	CITATIONS
19	Behaviour of infiltrating materials on Calcium Sulphate hemihydrate parts made by 3D printing. <i>Procedia Manufacturing</i> , 2017, 13, 848-855.	1.9	5
20	Towards Functional Parts by Binder Jetting Calcium-Sulphate with Thermal Treatment Post-Processing. <i>Materials</i> , 2020, 13, 3818.	2.9	5
21	Characterization of Materials Used in 3D-Printing Technology with Different Analysis Techniques. <i>Annals of DAAAM & Proceedings</i> , 2018, , 0947-0954.	0.1	4
22	Application of Vacuum Techniques in Shell Moulds Produced by Additive Manufacturing. <i>Metals</i> , 2020, 10, 1090.	2.3	3
23	Tools for Teaching-Learning of Manufacturing Engineering Using Content Management Platforms. <i>Materials Science Forum</i> , 2011, 692, 104-111.	0.3	2
24	A Mechanistic Model for High Speed Turning of Austenitic Stainless Steels. <i>Advanced Materials Research</i> , 2012, 498, 1-6.	0.3	1
25	The influence of cutting speed in austenitic stainless steel machining: Study of specific force coefficients. , 2012, , .		1
26	aZIBO Shape Descriptor for Monitoring Tool Wear in Milling. <i>Procedia Engineering</i> , 2015, 132, 958-965.	1.2	1
27	Estimation of Cutting Forces and Tool Wear Using Modified Mechanistic Models in High Performance Turning. <i>Materials Forming, Machining and Tribology</i> , 2015, , 49-107.	1.1	1
28	Management of Manufacturing Engineering Seminars in the Context of New Educational Trends. <i>Materials Science Forum</i> , 2013, 759, 113-119.	0.3	0