

Jozef Jurko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1043519/publications.pdf>

Version: 2024-02-01

60
papers

418
citations

1683354

5
h-index

1281420

11
g-index

62
all docs

62
docs citations

62
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Accompanying phenomena in the cutting zone machinability during turning of stainless steels. International Journal of Machining and Machinability of Materials, 2009, 5, 383.	0.1	52
2	Study on cone roller bearing surface roughness improvement and the effect of surface roughness on tapered roller bearing service life. International Journal of Advanced Manufacturing Technology, 2016, 82, 1099-1106.	1.5	33
3	Comprehensive Identification of Sintered Carbide Durability in Machining Process of Bearings Steel 100CrMn6. Advanced Materials Research, 0, 340, 30-33.	0.3	28
4	Analytical Expression of T_v & C Dependence in Standard ISO 3685 for Cutting Ceramic. Key Engineering Materials, 0, 480-481, 317-322.	0.4	28
5	Prediction of a New Form of the Cutting Tool According to Achieve the Desired Surface Quality. Applied Mechanics and Materials, 0, 268-270, 473-476.	0.2	19
6	Verification of Cutting Zone Machinability during the Turning of a New Austenitic Stainless Steel. Communications in Computer and Information Science, 2011, , 338-345.	0.4	18
7	Roller Bearings and Analytical Expression of Selected Cutting Tools Durability in Machining Process of Steel 80MoCrV4016. Applied Mechanics and Materials, 0, 415, 610-613.	0.2	16
8	Study Influence of Plastic Deformation a New Extra Low Carbon Stainless Steels XCr17Ni7MoTiN under the Surface Finish when Drilling. Advanced Materials Research, 0, 538-541, 1312-1315.	0.3	15
9	New Experimental Expression of Durability Dependence for Ceramic Cutting Tool. Applied Mechanics and Materials, 0, 275-277, 2230-2236.	0.2	15
10	Turning Bearing Rings and Determination of Selected Cutting Materials Durability. Advanced Science Letters, 2013, 19, 2486-2489.	0.2	12
11	Theory and Practice in the Process of T_v Dependence Creation for Selected Cutting Material. Advanced Materials Research, 2013, 716, 261-265.	0.3	10
12	Dependence of Pressure Die Casting Quality on Die Casting Plunger Velocity Inside a Filling Chamber of a Pressure Die Casting Machine. Advanced Science Letters, 2012, 14, 499-502.	0.2	10
13	The Use of TiAlN Coated Carbide Tool when Finish Drilling of Stainless Steel X4Cr17Ni8TiN. Applied Mechanics and Materials, 2010, 39, 369-374.	0.2	9
14	Monitoring and Evaluation of Production Processes. , 2016, , .		9
15	Simulation of accompanying phenomena in the cutting zone during drilling of stainless steels. , 2010, , .		8
16	Verification of Surface Finish as an Indicator of Machinability in Turning Steel X6Cr16Ni10MoTiN. Advanced Materials Research, 0, 291-294, 2987-2990.	0.3	8
17	Study of the Surface Material AISI 304 Usable for Actuator after the Process of Turning. Applied Mechanics and Materials, 0, 460, 107-114.	0.2	8
18	Monitoring and Diagnosis of Drill Wear and the Thermodynamic Phenomenas of Material Removal by Drilling of Stainless Steels. , 2007, , 77-78.		8

#	ARTICLE	IF	CITATIONS
19	Cutting Forces by Turning of Inconel 718 with Inserts from Different Materials. Manufacturing Technology, 2013, 13, 499-504.	0.2	8
20	Study of the Tool Life and the Tool Wear Mechanisms in the Production of Holes in Stainless Steel. Applied Mechanics and Materials, 2013, 459, 424-427.	0.2	7
21	Verification of cutting zone machinability during drilling of austenitic stainless steels. Proceedings of SPIE, 2008, , .	0.8	6
22	Study Changes in Tool Wear of Stainless Steels ELC X01Cr18Ni10Ti when Drilling. Advanced Materials Research, 2013, 785-786, 1005-1008.	0.3	6
23	Manufacturing Accuracy when Drilling Holes in Stainless Austenitic Steels DIN 1.4301. Applied Mechanics and Materials, 0, 420, 250-253.	0.2	6
24	Verification of Surface Finish as an Indicator of Machinability in Drilling of Stainless Steel by DIN 1.4301. Applied Mechanics and Materials, 0, 229-231, 415-418.	0.2	5
25	PRELIMINARY INVESTIGATION OF STATIC AND DYNAMIC HYSTERESIS OF DMSP-5 FLUIDIC MUSCLE. MM Science Journal, 2018, 2018, 2172-2178.	0.2	5
26	Study on Screw Drill Wear when Drilling a New Stainless Steel X02Cr18Ni10MoTiN and Accompanying Phenomena in the Cutting Zone. Advanced Materials Research, 0, 314-316, 995-998.	0.3	4
27	Analysis of Cutting Zone Machinability during the Drilling of XCr18Ni8 Stainless Steel. Applied Mechanics and Materials, 0, 224, 142-145.	0.2	4
28	Identification the Tool Wear Mechanisms and Forms at Drilling of a New Stainless Steels. AASRI Procedia, 2012, 3, 127-132.	0.6	4
29	Prediction of Selected Aspects of Machinability of Austenitic Stainless Steels. Advanced Materials Research, 0, 739, 206-209.	0.3	4
30	Force Load of Cutting Tool by Turning of Nickel Alloy Inconel 718 with Sintered Carbide Insert. Applied Mechanics and Materials, 2013, 372, 441-444.	0.2	4
31	The Cutting Tool Wear of the Cutting Tool Part of the Cast Iron GTW 35-04 during Drilling. Applied Mechanics and Materials, 0, 470, 589-592.	0.2	4
32	Allowance treatment static designed couple and repeatable precision in assembly. MATEC Web of Conferences, 2017, 137, 04007.	0.1	4
33	Helical Drills Wear during Drilling of a New ELC Austenitic Stainless Steels. Applied Mechanics and Materials, 2012, 217-219, 2202-2205.	0.2	3
34	Prediction of Ploughing Effect Phenomena in the Cutting Zone during the Drilling of X5Cr18Ni9 Stainless Steel. Advanced Materials Research, 2013, 739, 201-205.	0.3	3
35	Study of Changes the Tool Wear of the Cutting Tool Part of a New Cast Iron GTW 35-04 during Drilling. Applied Mechanics and Materials, 0, 404, 82-85.	0.2	3
36	Effect of Machinability of Stainless Steels for Increasing of Productivity Production. Applied Mechanics and Materials, 0, 378, 154-158.	0.2	3

#	ARTICLE	IF	CITATIONS
37	Analysis the Tool Wear of Screw Drill during the Drilling of Steel X04Cr16Ni12MnTiN. Applied Mechanics and Materials, 2014, 599-601, 32-35.	0.2	3
38	Evaluation of Vibration Parameters under Machining. Key Engineering Materials, 0, 669, 228-234.	0.4	3
39	Measurement of the Machined Surface Diameter by a Laser Triangulation Sensor and Optimization of Turning Conditions Based on the Diameter Deviation and Tool Wear by GRA and ANOVA. Applied Sciences (Switzerland), 2022, 12, 5266.	1.3	3
40	The Use of TiAlN Coated Carbide Tool when Finish Machining Stainless Steel. Applied Mechanics and Materials, 0, 224, 204-207.	0.2	2
41	Study Changes in Mechanical Properties of Stainless Steels ELC X04Cr14Ni12TiN under the Surface Finish when Drilling. Applied Mechanics and Materials, 0, 378, 150-153.	0.2	2
42	Changes in Mechanical Properties of Cast Iron GTW 35-04 under the Surface Parameter during Drilling. Applied Mechanics and Materials, 0, 404, 86-90.	0.2	2
43	Change of Material Deformation under the Machined Surface when Drilling Steel C45 and DIN 1.4301. Applied Mechanics and Materials, 0, 459, 428-431.	0.2	2
44	Vibration and Experimental Comparison of Machining Process. Key Engineering Materials, 0, 669, 179-186.	0.4	2
45	The Impact of Vibration on the Technological Head. Manufacturing Technology, 2016, 16, 579-585.	0.2	2
46	Analytical expression of T_v dependence in standard ISO 3685 for sintered carbide. , 2011, , .		1
47	The Analysis of Ceramic Cutting Tools Durability in Machining Process of Steel C60 Applied According to Standard ISO 3685. Applied Mechanics and Materials, 0, 275-277, 2190-2194.	0.2	1
48	Changing Deformation under the Machined Surface in the Cutting Zone for the Different Materials during Drilling. Applied Mechanics and Materials, 2014, 607, 145-148.	0.2	1
49	Machining of Inserts with PCD Cutting-Edge Technology and Determination of Optimum Machining Conditions Based on Roundness Deviation and Chip-Cross Section of AW 5083 AL-Alloy Verified with Grey Relation Analysis. Processes, 2021, 9, 1485.	1.3	1
50	Study of Evaluation Machinability of a Stainless Steels and Accompanying Phenomena in the Cutting Zone During Machining. , 0, , .		1
51	DESIGN OF A COMPUTER-AIDED GEAR MANUFACTURING TOOL " RACK-SHAPED CUTTER. MM Science Journal, 2021, 2021, 5403-5409.	0.2	1
52	Tapered Roller Bearing and Comprehensive Durability Identification of Ceramic Cutting Materials in Machining Process of Steel 80MoCrV4016. Applied Mechanics and Materials, 0, 415, 606-609.	0.2	0
53	Analysis of the Cutting Zone Machinability during the Drilling of Cast Iron GTW 35-04. Applied Mechanics and Materials, 2013, 420, 246-249.	0.2	0
54	Study of Changes the Tool Wear of the Cutting Tool Part of Stainless Steels ELC X04Cr18Ni9Ti during Drilling. Applied Mechanics and Materials, 2013, 394, 228-231.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Study Accompanying Phenomenas at the Cutting Zone during Drilling Austenitic Stainless Steel X02Cr20Ni8TiMo. Applied Mechanics and Materials, 2014, 607, 149-152.	0.2	0
56	Evaluation of the Tool Wear the Screw Drill during the Drilling of Stainless Steels DIN 1.4301. Applied Mechanics and Materials, 0, 692, 406-410.	0.2	0
57	Analysis the Machined Surface Quality during the Drilling of Steel X04Cr16Ni12MnTiN. Applied Mechanics and Materials, 2014, 599-601, 187-190.	0.2	0
58	Evaluation of the Surface Roughnes the Machined Surface of Holes during the Drilling of Stainless Steels DIN 1.4301. Applied Mechanics and Materials, 0, 692, 401-405.	0.2	0
59	Cooling and Inflow System Changes in the Initial Phases of Plastic Injection Forms Construction and their Influence on the Mould Parts Deformations in the Simulation Process. EAI/Springer Innovations in Communication and Computing, 2019, , 45-58.	0.9	0
60	Dynamic Measurement of the Surface After Process of Turning with Application of Laser Displacement Sensors. EAI/Springer Innovations in Communication and Computing, 2022, , 197-208.	0.9	0