

Jozef Jurko

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	DESIGN OF A COMPUTER-AIDED GEAR MANUFACTURING TOOL " RACK-SHAPED CUTTER. MM Science Journal, 2021, 2021, 5403-5409.	0.2	1
5	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
6	PRELIMINARY INVESTIGATION OF STATIC AND DYNAMIC HYSTERESIS OF DMSP-5 FLUIDIC MUSCLE. MM Science Journal, 2018, 2018, 2172-2178.	0.2	5
7	Allowance treatment static designed couple and repeatable precision in assembly. MATEC Web of Conferences, 2017, 137, 04007.	0.1	4
8	Monitoring and Evaluation of Production Processes. , 2016, , .		9
9	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
10	The Impact of Vibration on the Technological Head. Manufacturing Technology, 2016, 16, 579-585.	0.2	2
11	Study Accompanying Phenomenas at the Cutting Zone during Drilling Austenitic Stainless Steel X02Cr20Ni8TiMo. Applied Mechanics and Materials, 2014, 607, 149-152.	0.2	0
12	Analysis the Machined Surface Quality during the Drilling of Steel X04Cr16Ni12MnTiN. Applied Mechanics and Materials, 2014, 599-601, 187-190.	0.2	0
13	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
14	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
15	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
16	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
17	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
18	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
19	Study Changes in Tool Wear of Stainless Steels ELC X01Cr18Ni10Ti when Drilling. Advanced Materials Research, 2013, 785-786, 1005-1008.	0.3	6
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	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
22	Turning Bearing Rings and Determination of Selected Cutting Materials Durability. Advanced Science Letters, 2013, 19, 2486-2489.	0.2	12
23	Cutting Forces by Turning of Inconel 718 with Inserts from Different Materials. Manufacturing Technology, 2013, 13, 499-504.	0.2	8
24	Helical Drills Wear during Drilling of a New ELC Austenitic Stainless Steels. Applied Mechanics and Materials, 2012, 217-219, 2202-2205.	0.2	3
25	Identification the Tool Wear Mechanisms and Forms at Drilling of a New Stainless Steels. AASRI Procedia, 2012, 3, 127-132.	0.6	4
26	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
27	Analytical expression of T_v dependence in standard ISO 3685 for sintered carbide. , 2011, , .		1
28	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
29	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
30	Simulation of accompanying phenomena in the cutting zone during drilling of stainless steels. , 2010, , .		8
31	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
32	Verification of cutting zone machinability during drilling of austenitic stainless steels. Proceedings of SPIE, 2008, , .	0.8	6
33	Monitoring and Diagnosis of Drill Wear and the Thermodynamic Phenomenas of Material Removal by Drilling of Stainless Steels. , 2007, , 77-78.		8
34	Verification of Surface Finish as an Indicator of Machinability in Turning Steel X6Cr16Ni10MoTiN. Advanced Materials Research, 0, 291-294, 2987-2990.	0.3	8
35	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
36	Comprehensive Identification of Sintered Carbide Durability in Machining Process of Bearings Steel 100CrMn6. Advanced Materials Research, 0, 340, 30-33.	0.3	28

#	ARTICLE	IF	CITATIONS
37	Analytical Expression of v - T Dependence in Standard ISO 3685 for Cutting Ceramic. Key Engineering Materials, 0, 480-481, 317-322.	0.4	28
38	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
39	The Use of TiAlN Coated Carbide Tool when Finish Machining Stainless Steel. Applied Mechanics and Materials, 0, 224, 204-207.	0.2	2
40	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
41	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
42	Analysis of Cutting Zone Machinability during the Drilling of XCr18Ni8 Stainless Steel. Applied Mechanics and Materials, 0, 224, 142-145.	0.2	4
43	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
44	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
45	Prediction of Selected Aspects of Machinability of Austenitic Stainless Steels. Advanced Materials Research, 0, 739, 206-209.	0.3	4
46	New Experimental Expression of Durability Dependence for Ceramic Cutting Tool. Applied Mechanics and Materials, 0, 275-277, 2230-2236.	0.2	15
47	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
48	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
49	Manufacturing Accuracy when Drilling Holes in Stainless Austenitic Steels DIN 1.4301. Applied Mechanics and Materials, 0, 420, 250-253.	0.2	6
50	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
51	Effect of Machinability of Stainless Steels for Increasing of Productivity Production. Applied Mechanics and Materials, 0, 378, 154-158.	0.2	3
52	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
53	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
54	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

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55	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
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	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
58	Vibration and Experimental Comparison of Machining Process. Key Engineering Materials, 0, 669, 179-186.	0.4	2
59	Evaluation of Vibration Parameters under Machining. Key Engineering Materials, 0, 669, 228-234.	0.4	3
60	Study of Evaluation Machinability of a Stainless Steels and Accompanying Phenomena in the Cutting Zone During Machining. , 0, , .		1