

Jozef Peterka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Influence of Cutting Parameters on Plastic Deformation and Chip Compression during the Turning of C45 Medium Carbon Steel and 62SiMnCr4 Tool Steel. <i>Materials</i> , 2022, 15, 585.	2.9	11
2	Application of ANN for Analysis of Hole Accuracy and Drilling Temperature When Drilling CFRP/Ti Alloy Stacks. <i>Materials</i> , 2022, 15, 1940.	2.9	16
3	Behavior of Rotary Ultrasonic Machining of Ceramic Materials at a Wide Range of Cutting Speeds. <i>Machines</i> , 2021, 9, 164.	2.2	1
4	COMPARISON OF PREPARATION METHODS IN TERMS OF TOOL LIFE AND SURFACE ROUGHNESS. <i>MM Science Journal</i> , 2021, 2021, 4836-4840.	0.4	0
5	DIAGNOSTICS OF ACTUATORS OF MACHINE TOOLS DRIVES ACCORDING TO THE IDENTIFIABILITY CRITERION BY THE STATE SPACE. <i>MM Science Journal</i> , 2021, 2021, 5291-5296.	0.4	4
6	TECHNOLOGY OF BROACHING – RESEARCH OF THE ROUGHNESS AND MACHINE CAPABILITY. <i>MM Science Journal</i> , 2021, 2021, 5452-5459.	0.4	3
7	Experimental Study of Drilling Temperature, Geometrical Errors and Thermal Expansion of Drill on Hole Accuracy When Drilling CFRP/Ti Alloy Stacks. <i>Materials</i> , 2020, 13, 3232.	2.9	22
8	Logical – Linguistic Model of Diagnostics of Electric Drives with Sensors Support. <i>Sensors</i> , 2020, 20, 4429.	3.8	17
9	Evaluation of strain in cold drawing of tubes with internally shaped surface. <i>Materials Today: Proceedings</i> , 2020, 22, 287-292.	1.8	3
10	Using multi-criteria analysis to evaluate the impact of drag-finishing technological parameters on the carbide tool radius. <i>Materials Today: Proceedings</i> , 2020, 22, 205-211.	1.8	2
11	Cutting edge radius preparation. <i>Materials Today: Proceedings</i> , 2020, 22, 212-218.	1.8	7
12	Modeling of Boring Mandrel Working Process with Vibration Damper. <i>Materials</i> , 2020, 13, 1931.	2.9	20
13	DIAGNOSTICS OF AUTOMATED TECHNOLOGICAL DEVICES. <i>MM Science Journal</i> , 2020, 2020, 4027-4034.	0.4	13
14	MODIFICATION OF CUTTING TOOLS BY DRAG FINISHING. <i>MM Science Journal</i> , 2020, 2020, 3822-3825.	0.4	6
15	DESIGN AND MANUFACTURING OF CUTTING TOOLS FOR MILLING. <i>MM Science Journal</i> , 2020, 2020, 3818-3821.	0.4	2
16	Experimental Investigation of Wearing Grinding Wheels After Machining Sintered Carbide. <i>Research Papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava</i> , 2020, 28, 11-20.	0.4	0
17	The kinematic approach to edge-chipping in rotary ultrasonic machining of Al ₂ O ₃ . <i>MATEC Web of Conferences</i> , 2019, 299, 01012.	0.2	1
18	System for Real Time Monitoring Metalworking Fluids. <i>Annals of DAAAM & Proceedings</i> , 2019, , 0758-0763.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Influence of Tool Clamping on Tool Wear. Annals of DAAAM & Proceedings, 2019, , 0782-0786.	0.1	1
20	Comparison of High Feed Machining with Conventional Milling in Terms of Surface Quality and Productivity. Annals of DAAAM & Proceedings, 2019, , 0376-0383.	0.1	2
21	Complex fine-scale diffusion coating formed at low temperature on high-speed steel substrate. Applied Surface Science, 2018, 437, 257-270.	6.1	20
22	Comparison of High Feed Machining with Conventional Milling in Terms of Dimension Accuracy and Productivity. Annals of DAAAM & Proceedings, 2018, , 0426-0434.	0.1	1
23	The Influence of Cutting Edge Radius Size on the Tool Life of Cemented Carbide Drills. Annals of DAAAM & Proceedings, 2018, , 0421-0425.	0.1	2
24	Influence of Ultrasonic Assistance on Delamination During Machining of CFRP Composite. Lecture Notes in Mechanical Engineering, 2017, , 443-450.	0.4	1
25	Effect of Substrate Bias and Coating Thickness on the Properties of nc-AlCrN/a-Si _x N _y Hard Coating and Determination of Cutting Parameters. Solid State Phenomena, 2017, 261, 229-236.	0.3	1
26	Cutting Edge Microgeometry and Preparation Methods. Annals of DAAAM & Proceedings, 2017, , 0384-0391.	0.1	3
27	Influence of Machining Parameters on Machine Tool Loads at Rotary Ultrasonic Machining of Cubic Boron Nitride. Key Engineering Materials, 2016, 686, 155-160.	0.4	0
28	The Influence of Copy Strategy on the Tool Life of Ball End Mills and Achieved Surface Roughness. Key Engineering Materials, 2016, 686, 240-245.	0.4	0
29	The Influence of Different Types of Copy Milling on the Surface Roughness and Tool Life of End Mills. Procedia Engineering, 2015, 100, 868-876.	1.2	19
30	Surface Roughness of Poly-crystalline Cubic Boron Nitride after Rotary Ultrasonic Machining. Procedia Engineering, 2015, 100, 877-884.	1.2	26
31	Design for manufacturability in virtual environment using knowledge engineering. Management and Production Engineering Review, 2014, 5, 3-10.	1.4	14
32	Onâ€Line Classroom for Dynamic Education. Applied Mechanics and Materials, 2014, 474, 15-20.	0.2	2
33	The Wear Measurement Process of Ball Nose end Mill in the Copy Milling Operations. Procedia Engineering, 2014, 69, 1038-1047.	1.2	12
34	Investigation of Ultrasonic Assisted Milling of Aluminum Alloy AlMg4.5Mn. Procedia Engineering, 2014, 69, 1048-1053.	1.2	23
35	The Tool Life of Ball Nose end Mill Depending on the Different Types of Ramping. Research Papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava, 2014, 22, 115-121.	0.4	0
36	Rotary Ultrasonic Machining of Poly-Crystalline Cubic Boron Nitride. Research Papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava, 2014, 22, 103-108.	0.4	0

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37	Application of Reverse Engineering for Redesigning and Manufacturing of a Printer Spare Part. <i>Advanced Materials Research</i> , 2013, 690-693, 2708-2712.	0.3	4
38	Optical 3D Scanning of Cutting Tools. <i>Applied Mechanics and Materials</i> , 0, 421, 663-667.	0.2	18
39	Selected 5-Axis Strategies for High-Speed Milling of Thin-Walled Parts. <i>Applied Mechanics and Materials</i> , 0, 467, 466-469.	0.2	2
40	Influence of the Lead Angle from the Vertical Axis Milling on Effective Radius of the Cutter. <i>Key Engineering Materials</i> , 0, 581, 44-49.	0.4	11
41	Influence of Machining Parameters on Surface Topography of Cubic Boron Nitride at Rotary Ultrasonic Machining. <i>Key Engineering Materials</i> , 0, 686, 180-185.	0.4	1
42	Influence of Ultrasound on Delamination during Machining of GFRP Composite Material. <i>Solid State Phenomena</i> , 0, 261, 173-178.	0.3	1