

Jozef Zajac

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

511
citations

933447

10
h-index

888059

17
g-index

62
all docs

62
docs citations

62
times ranked

452
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element analysis of multipass welding using LTT filler material. AIP Conference Proceedings, 2021, , .	0.4	0
2	Imperfections for simulations of weld-induced buckling. AIP Conference Proceedings, 2021, , .	0.4	0
3	Prediction of Cutting Material Durability by $T = f(vc)$ Dependence for Turning Processes. Processes, 2020, 8, 789.	2.8	7
4	Functional Properties of PTFE-Composites Produced by Mechanical Activation. Lecture Notes in Mechanical Engineering, 2020, , 391-401.	0.4	9
5	Experimental study of parameters influencing the damping of particulate, fibre-reinforced, hybrid, and sandwich composites. International Journal of Materials Research, 2020, 111, 688-697.	0.3	9
6	Chemical Management in Automotive and Mass Industry. EAI/Springer Innovations in Communication and Computing, 2020, , 161-174.	1.1	0
7	Identification of topography of surfaces created by turning biomaterials with optical profilometry. BioResources, 2020, 15, 2483-2494.	1.0	1
8	Implementation of Augmented Reality into the Training and Educational Process in Order to Support Spatial Perception in Technical Documentation. , 2019, , .		16
9	The Effect of the Carbon Fiber Content on the Flexural Strength of Polymer Concrete Testing Samples and the Comparison of Polymer Concrete and U-Shaped Steel Profile Damping. Materials, 2019, 12, 1917.	2.9	4
10	Information System for Computer-Aided Fixture Design. EAI/Springer Innovations in Communication and Computing, 2019, , 121-132.	1.1	4
11	Evaluation of the Longitudinal Roughness of the Thin-Walled Cooler for the Robot Control System Made Using CAM Programming. Lecture Notes in Mechanical Engineering, 2019, , 285-296.	0.4	0
12	Simulation of Air Flow on the Bodywork Automobile with Direct and Side Load. Lecture Notes in Mechanical Engineering, 2019, , 228-242.	0.4	0
13	Critical Values of Some Probability Distributions and Standard Numerical Methods. EAI/Springer Innovations in Communication and Computing, 2019, , 61-69.	1.1	0
14	Thermal analysis and phase transformation behaviour during additive manufacturing of Ti-6Al-4V alloy. Materials Science and Technology, 2019, 35, 846-855.	1.6	20
15	Evaluation of the Transverse Roughness of the Outer and Inner Surfaces of the Thin-Walled Components Produced by Milling. EAI/Springer Innovations in Communication and Computing, 2019, , 353-364.	1.1	0
16	Preliminary Study of Residual Stress Measurement Using Eddy Currents Phasor Angle. Lecture Notes in Mechanical Engineering, 2019, , 386-397.	0.4	2
17	Influence of Residual Stress Induced in Steel Material on Eddy Currents Response Parameters. Lecture Notes in Mechanical Engineering, 2019, , 551-560.	0.4	5
18	Imperfections generation in finite element models of welding. Science and Technology of Welding and Joining, 2018, 23, 148-157.	3.1	6

#	ARTICLE	IF	CITATIONS
19	The structural design of 3D print head and execution of printing via the robotic arm ABB IRB 140. , 2018, , .		18
20	An integrated working environment using advanced augmented reality techniques. , 2017, , .		5
21	Numerical simulation of the system "fixture" workpiece for lever machining. International Journal of Advanced Manufacturing Technology, 2017, 91, 79-90.	3.0	27
22	Manufacturing Technology of Composite Materials Principles of Modification of Polymer Composite Materials Technology Based on Polytetrafluoroethylene. Materials, 2017, 10, 377.	2.9	26
23	Comparison of transverse roughness of the outer surfaces of thin-walled components manufactured using various by milling CAM software. , 2017, , .		0
24	Calculation of critical values of several probability distributions using standard numerical methods. , 2017, , .		0
25	AUTOMATIZATION PROCESS OF DESIGNING THE TECHNOLOGICAL DOCUMENTATION BY TOOLS OF COMPREHENSIVE CAD-CAM-CAE SYSTEM. MM Science Journal, 2016, 2016, 942-946.	0.4	1
26	MONITORING INFLUENCE OF SELECTED PARAMETERS ON SURFACE QUALITY AFTER POLYMER POWDER COATING. MM Science Journal, 2016, 2016, 1077-1081.	0.4	2
27	THE CORRELATION OF PARAMETERS MEASURED ON ROTARY MACHINE AFTER REPARATION OF DISREPAIR STATE. MM Science Journal, 2016, 2016, 1244-1248.	0.4	3
28	Using Software Zelio Soft in Educational Process to Simulation Control Programs for Intelligent Relays. Technological Engineering, 2016, 13, 28-30.	0.3	2
29	Quantifying the Mechanical Properties of Materials and the Process of Elastic-Plastic Deformation under External Stress on Material. Materials, 2015, 8, 7401-7422.	2.9	21
30	Study of Surface Roughness of Machined Polymer Composite Material. International Journal of Polymer Science, 2015, 2015, 1-6.	2.7	15
31	Evaluation of share material after turning of wood plastic composite. , 2015, , .		3
32	Up Milling Technology and its Outputs. Applied Mechanics and Materials, 2014, 616, 268-275.	0.2	1
33	The Evaluation of the up and down Milling Based on its Chip. Advanced Materials Research, 2014, 941-944, 1943-1946.	0.3	0
34	Monitoring surface roughness of thin-walled components from steel C45 machining down and up milling. Measurement: Journal of the International Measurement Confederation, 2014, 58, 416-428.	5.0	48
35	Identification of Internal Residual Stress of Steel after Milling by Ultrasound. Manufacturing Technology, 2014, 14, 573-578.	1.4	3
36	Study of the subsurface layers of the structural ceramics WC - Co alloyed by laser. , 2013, , .		0

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37	Coherencies of Temperature and Surface Roughness by Milling Procedure. Key Engineering Materials, 2013, 581, 348-353.	0.4	2
38	Programming CNC Machines Using Computer-Aided Manufacturing Software. Advanced Science Letters, 2013, 19, 369-373.	0.2	16
39	Turning of Composite Material with Organic Reinforcement (Wood Plastic Composite). Advanced Science Letters, 2013, 19, 877-880.	0.2	5
40	Turning Bearing Rings and Determination of Selected Cutting Materials Durability. Advanced Science Letters, 2013, 19, 2486-2489.	0.2	12
41	Using of computer integrated system for static tests of pipe conveyer belts. , 2012, , .		21
42	CAM Software Products for Creation of Programs for CNC Machining. Lecture Notes in Electrical Engineering, 2012, , 421-425.	0.4	19
43	Vorrichtung zum Messen des Abnutzungsgrades von Schneidwerkzeugen. TM Technisches Messen, 1995, 62, 8-11.	0.7	9
44	Research of the Technological Parameters Importance for Plasma Arc Thermal Cutting. Applied Mechanics and Materials, 0, 110-116, 3742-3749.	0.2	10
45	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
46	Assessment of Statistical Signification of Factors by Machining Inhomogeneous Materials " WPC. Applied Mechanics and Materials, 0, 308, 165-169.	0.2	7
47	Machining of Non-Homogeneous Composite Material with Natural Fibers Reinforcement and HDPE Matrix. Key Engineering Materials, 0, 581, 95-99.	0.4	6
48	Verification of Process Fluids in Mass Production. Key Engineering Materials, 0, 581, 554-559.	0.4	6
49	Experimental Study of Surface Roughness of Wood Plastic Composites after Turning. Advanced Materials Research, 0, 856, 108-112.	0.3	21
50	The Chip in the Up and Down Milling Process. Advanced Materials Research, 0, 856, 379-383.	0.3	2
51	Investigation of Surface Roughness after Turning of One Kind of the Bio-Material with Thermoplastic Matrix and Natural Fibers. Advanced Materials Research, 0, 941-944, 275-279.	0.3	14
52	Short-Term Testing of Cutting Materials Using the Method of Interrupted Cut. Applied Mechanics and Materials, 0, 616, 236-243.	0.2	6
53	Measurement of the Distance between Axes of Holes with the Roundtest RA-120. Applied Mechanics and Materials, 0, 718, 65-70.	0.2	2
54	The Comprehensive Comparison of the Selected Cutting Materials with Standard ISO 3685 in Machining Process of Steel C60. Applied Mechanics and Materials, 0, 718, 93-98.	0.2	3

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55	Use of Thermovision for Monitoring Temperature Conveyor Belt of Pipe Conveyor. Applied Mechanics and Materials, 0, 683, 238-242.	0.2	10
56	Comparison Measurement of the Distance between Axes of Holes with the Roundtest RA-120 and Thome PrÄzision-Rapid. Applied Mechanics and Materials, 0, 616, 284-291.	0.2	7
57	Impact of Cutting Speed on the Resultant Durability of Cutting Tool in Machining Process of Steel C45. Key Engineering Materials, 0, 669, 294-301.	0.4	0
58	Comparison of Software and Calculated Correction of the Tip Radius of Turning Tool for Control System FANUC. Key Engineering Materials, 0, 669, 270-277.	0.4	0
59	Study of Welding Parameters Effect on the Weld Quality for Structural Steel S235 J0. Key Engineering Materials, 0, 669, 79-86.	0.4	1
60	Study on Edgetrimming of Holes in the Thick Steel Plates by Metal Plastic Forming Technology. Key Engineering Materials, 0, 669, 87-94.	0.4	2