Peter Michalik

List of Publications by Year
in descending order

66 papers	405 citations	759233 12 h-index	940533 16 g-index
67 all docs	67 docs citations	67 times ranked	302 citing authors

#	Article	IF	Citations
1	Assessment of a robot base production using CAM programming for the FANUC control system. Open Engineering, 2021, 11, 922-928.	1.6	0
2	Research in placement of measuring sensors on hexagonal idler housing with regard to requirements of pipe conveyor failure analysis. Engineering Failure Analysis, 2020, 116, 104703.	4.0	7
3	Research about influence of the tension forces, asymmetrical tensioning and filling rate of pipe conveyor belt filled with the material on the contact forces of idler rolls in hexagonal idler housing. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107598.	5.0	11
4	Design and evaluation of a new intersection model to minimize congestions using VISSIM software. Open Engineering, 2020, 10, 48-56.	1.6	13
5	Maximizing the Productivity of a Gas Melting Furnace with Regard to the Ecological Efficiency of its Operation. Management Systems in Production Engineering, 2020, 28, 292-297.	1.1	1
6	Electromagnetic locking devices of car handling units. Scientific Journal of Silesian University of Technology Series Transport, 2020, 107, 73-83.	0.4	3
7	THE OPTIMIZATION OF OPERATING PARAMETERS FOR A MELTING FURNACE DURING MELTING OF ALUMINIUM ALLOY AlSi7Mg0.6. MM Science Journal, 2020, 2020, 3950-3954.	0.4	0
8	Optimizing Component Production with Multi-axis Turning Technology. EAI/Springer Innovations in Communication and Computing, 2020, , 273-283.	1.1	0
9	Device for Determining the Adhesion Coefficient at the Slippage Point. IOP Conference Series: Materials Science and Engineering, 2019, 603, 052081.	0.6	0
10	Assessment of the transverse roughness of the thin-walled cooler for the robot control system made using CAM programming. MATEC Web of Conferences, 2019, 263, 01013.	0.2	0
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	Prediction of contact forces on idler rolls of a pipe conveyor idler housing for the needs of its online monitoring. Measurement: Journal of the International Measurement Confederation, 2019, 139, 177-184.	5.0	5
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	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
15	Utilisation of measurements to predict the relationship between contact forces on the pipe conveyor idler rollers and the tension force of the conveyor belt. Measurement: Journal of the International Measurement Confederation, 2019, 136, 735-744.	5.0	3
16	Assessment of the Production Reducer for Clamping the Drilling Tools. Lecture Notes in Mechanical Engineering, 2019, , 557-566.	0.4	1
17	Failure analysis of conveyor belt samples under tensile load. Journal of Industrial Textiles, 2019, 48, 1364-1383.	2.4	14
18	INNOVATION OF THE GAS MELTING FURNACE MONITORING SYSTEM. MM Science Journal, 2019, 2019, 3524-3527.	0.4	0

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19	Intelligent programming of robotic flange production by means of CAM programming. Open Engineering, 2019, 9, 571-579.	1.6	0
20	The evaluation of the production of the shaped part using the workshop programming method on the two-spindle multi-axis CTX alpha 500 lathe. Open Engineering, 2019, 9, 660-667.	1.6	1
21	Assessment of the Manufacturing Possibility of Thin-Walled Robotic Portals for Conveyor Worklace. Advances in Science and Technology Research Journal, 2018, 12, 338-345.	0.8	5
22	DRAFT JIG STRUCTURE DESIGN FOR MEASURING DEFORMATION OF THIN-WALLED ROBOTIC OR CONVEYOR COMPONENTS. Advances in Science and Technology Research Journal, 2018, 12, 55-60.	0.8	1
23	Online monitoring of pipe conveyors part II: Evaluation of selected operational parameters for the design of expert system. Measurement: Journal of the International Measurement Confederation, 2017, 104, 1-11.	5.0	10
24	Data mining in cloud usage data with Matlab's statistics and machine learning toolbox. , 2017, , .		4
25	A Tension Equalizer in Lift Carrying Ropes. Advances in Science and Technology Research Journal, 2017, 11, 326-332.	0.8	6
26	THE PROPOSAL OF THE TEST EQUIPMENT FOR ANALYSIS OF THE COVERING LAYERS OF THE CONVEYOR BELT. , 2017, , .		1
27	Comparison of transverse roughness of the outer surfaces of thin-walled components manufactured using various by milling CAM software. , 2017, , .		0
28	Calculation of critical values of several probability distributions using standard numerical methods. , 2017, , .		0
29	THE STUDY OF THE SURFACE QUALITY OF THE THIN WALL BEARING UNITS TO ROLLS ROLLER SEATS PIPE CONVEYOR. Advances in Science and Technology Research Journal, 2017, 11, 192-197.	0.8	2
30	DESIGN OF TECHNOLOGY FOR MACHINING OF THIN-WALLED RACK OF HOUSE FOR CARRIER PIPE CONVEYOR DRIVE ROLLER.. , 2017, , .		0
31	Extension of inner structures of textile rubber conveyor belt â€" Failure analysis. Engineering Failure Analysis, 2016, 70, 22-30.	4.0	16
32	Online monitoring of a pipe conveyor. Part I: Measurement and analysis of selected operational parameters. Measurement: Journal of the International Measurement Confederation, 2016, 94, 364-371.	5.0	14
33	Using a Software Tool in Forecasting: a Case Study of Sales Forecasting Taking into Account Data Uncertainty. Open Engineering, 2016, 6, .	1.6	13
34	Influence of tension and release in piped conveyor belt on change of normal contact forces in hexagonal idler housing for pipe conveyor loaded with material. Measurement: Journal of the International Measurement Confederation, 2016, 84, 21-31.	5.0	13
35	COMPARISON OF PROGRAMMING PRODUCTION OF THIN WALLED PARTS USING DIFFERENT CAM SYSTEMS. MM Science Journal, 2016, 2016, 1056-1059.	0.4	4
36	MONITORING INFLUENCE OF SELECTED PARAMETERS ON SURFACE QUALITY AFTER POLYMER POWDER COATING. MM Science Journal, 2016, 2016, 1077-1081.	0.4	2

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37	Diffusion Niobizing of Titanium Grade 2 by Gas-Contact Method. Key Engineering Materials, 2015, 669, 158-166.	0.4	0
38	Study of Surface Roughness of Machined Polymer Composite Material. International Journal of Polymer Science, 2015, 2015, 1-6.	2.7	15
39	Analysis of data from the monitoring environment to improve IT processes. , 2015, , .		3
40	Design of models for the selection of the suitable platform in the area of data analysis. , 2015, , .		2
41	Method for Measurement of Residual Stresses using Eddy Currents. Key Engineering Materials, 2015, 669, 409-416.	0.4	2
42	Up Milling Technology and its Outputs. Applied Mechanics and Materials, 2014, 616, 268-275.	0.2	1
43	Non-Destructive Testing of Inhomogeneity of Wood Plastic Composite. Applied Mechanics and Materials, 2014, 718, 71-76.	0.2	0
44	The Evaluation of the up and down Milling Based on its Chip. Advanced Materials Research, 2014, 941-944, 1943-1946.	0.3	0
45	Concept definition for Big Data architecture in the education system. , 2014, , .		38
46	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
47	Mathematical models for indirect measurement of contact forces in hexagonal idler housing of pipe conveyor. Measurement: Journal of the International Measurement Confederation, 2014, 47, 794-803.	5.0	24
48	Test Equipment for Analysis of Samples Rubber â€" Textile Conveyor Belts by Help Industrial Metrotomographs. Applied Mechanics and Materials, 2014, 683, 208-212.	0.2	1
49	A regression model for prediction of pipe conveyor belt contact forces on idler rolls. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3910-3917.	5.0	26
50	Creation of programs by Shop Floor programming for CNC machines using cam software. , 2013, , .		0
51	Conversational content in the context of safety of social networks. , 2013, , .		1
52	Coherencies of Temperature and Surface Roughness by Milling Procedure. Key Engineering Materials, 2013, 581, 348-353.	0.4	2
53	Programming CNC Machines Using Computer-Aided Manufacturing Software. Advanced Science Letters, 2013, 19, 369-373.	0.2	16
54	Enterprise Utilizing Social Web. Lecture Notes in Business Information Processing, 2013, , 290-297.	1.0	0

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55	Using of computer integrated system for static tests of pipe conveyer belts. , 2012, , .		21
56	CAM Software Products for Creation of Programs for CNC Machining. Lecture Notes in Electrical Engineering, 2012, , 421-425.	0.4	19
57	Durability Analysis for Selected Cutting Tools in Machining Process of Steel 16MoV6-3. Applied Mechanics and Materials, 0, 308, 133-139.	0.2	6
58	Verification of Process Fluids in Mass Production. Key Engineering Materials, 0, 581, 554-559.	0.4	6
59	The Chip in the Up and Down Milling Process. Advanced Materials Research, 0, 856, 379-383.	0.3	2
60	Measurement of the Distance between Axes of Holes with the Roundtest RA-120. Applied Mechanics and Materials, 0, 718, 65-70.	0.2	2
61	Use of Thermovision for Monitoring Temperature Conveyor Belt of Pipe Conveyor. Applied Mechanics and Materials, 0, 683, 238-242.	0.2	10
62	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
63	Impact of Cutting Speed on the Resultant Cutting Tools Durability in Turning Process of Steel 100CrMn6. Applied Mechanics and Materials, 0, 616, 292-299.	0.2	1
64	Design of Module of Moving Robot. Applied Mechanics and Materials, 0, 616, 93-100.	0.2	0
65	Creation of Mathematical Prescription of Residual Stress Depending on Various Cutting Conditions. Key Engineering Materials, 0, 669, 126-133.	0.4	2
66	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