Grzegorz Cwikla

List of Publications by Citations

43 papers	272 citations	10 h-index	15 g-index
43 ext. papers	313 ext. citations	0.6 avg, IF	3.91 L-index

#	Paper	IF	Citations
43	The influence of printing parameters on selected mechanical properties of FDM/FFF 3D-printed parts. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012033	0.4	63
42	Methods of Manufacturing Data Acquisition for Production Management - A Review. *Advanced Materials Research*, **2013**, 837, 618-623	0.5	30
41	The Methodology of Development of the Manufacturing Information Acquisition System (MIAS) for Production Management. *Applied Mechanics and Materials*, **2014**, 474, 27-32	0.3	22
40	Problems of integration of a manufacturing system with the business area of a company on the example of the Integrated Manufacturing Systems Laboratory. *MATEC Web of Conferences*, **2017**, 94, 06004	0.3	18
39	Application of the MIAS methodology in design of the data acquisition system for wastewater treatment plant. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012153	0.4	16
38	The New Approach to Design Features Identification. *Applied Mechanics and Materials*, **2014**, 657, 750-754	0.3	15
37	Real-Time Monitoring Station for Production Systems. *Advanced Materials Research*, **2013**, 837, 334-339	0.5	14
36	Integration of Manufacturing Functions for SME. Holonic-Based Approach. *Advances in Intelligent Systems and Computing*, **2017**, 464-473	0.4	13
35	The CAD drawing as a source of data for robot programming purposes – review. *MATEC Web of Conferences*, **2017**, 94, 05002	0.3	11
34	Case Study of Manufacturing Information Acquisition System (MIAS) in Automated Continuous Production System. *Applied Mechanics and Materials*, **2014**, 657, 808-812	0.3	10
33	The Expert System Supporting Design of the Manufacturing Information Acquisition System (MIAS) for Production Management. *Advanced Materials Research*, **2014**, 1036, 852-857	0.5	9
32	The role of multi-agent systems in improving performance of manufacturing robotized cells. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012097	0.4	8
31	Experimental determination of dynamic parameters of an industrial robot. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012012	0.4	6
30	The Practical Approach to Freeform Shape Elements Reverse Engineering. *Applied Mechanics and Materials*, **2014**, 657, 755-759	0.3	6
29	The pneumatic and electropneumatic systems in the context of 4thindustrial revolution. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022024	0.4	6
28	Tensile tests of specimens made of selected group of the filament materials manufactured with FDM method. *MATEC Web of Conferences*, **2017**, 112, 04017	0.3	5
27	Modelling of industrial robot in LabView Robotics. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012011	0.4	4

26	Predictive Maintenance Scheduling with Failure Rate Described by Truncated Normal Distribution. *Sensors*, **2020**, 20,	3.8	3
25	The initial considerations and tests on the use of real time locating system in manufacturing processes improvement. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 042013	0.4	3
24	Analysis of the possibility of SysML and BPMN application in formal data acquisition system description. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012034	0.4	2
23	Algorithms of control parameters selection for automation of FDM 3D printing process. *MATEC Web of Conferences*, **2017**, 112, 05011	0.3	1
22	Statistical process control and CAQ systems as a tools assuring quality in the automotive industry. *Multidisciplinary Aspects of Production Engineering*, **2019**, 2, 336-344	0.4	1
21	Research on Ultrasonic Transducers to Accurately Determine Distances in a Coal Mine Conditions. *Energies*, **2021**, 14, 2532	3.1	1
20	Assessment of Similarity of Elements as a Basis for Production Costs Estimation. *Advances in Intelligent Systems and Computing*, **2020**, 386-395	0.4	1
19	A Comparison Analysis of the Computer Simulation Results of a Real Production System. *Advances in Intelligent Systems and Computing*, **2020**, 344-354	0.4	1
18	Positioning a robot in a robotic cell in Tecnomatix. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 052002	0.4	1
17	Assessment of the efficiency of the continuous improvement system based on Kaizen in an example company. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 062008	0.4	1
16	Impact of the Selected Disturbing Factors on Accuracy of the Distance Measurement with the Use of Ultrasonic Transducers in a Hard Coal Mine. *Energies*, **2022**, 15, 133	3.1	1
15	A computer simulation as a tool for a production system analysis and optimization. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022033	0.4	0
14	Analysis of design characteristics of a V-type support using an advanced engineering environment. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012053	0.4	
13	The influence of computer-generated path on the robot effector stability of motion. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012045	0.4	
12	Modelling of teeth of a gear transmission for modern manufacturing technologies. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012080	0.4	
11	The Experimental Cutting Parameters Fitting in Turning Technological Operations for Selected Polyamide Materials. *Applied Mechanics and Materials*, **2015**, 809-810, 159-164	0.3	
10	The laboratory station for tyres grip testing on different surfaces. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012092	0.4	
9	The Graph of Operations Planning Sequence of a Production Order for Scheduling with Mixed Planning Strategies and Alternatives. *Applied Mechanics and Materials*, **2015**, 809-810, 1420-1425	0.3	

8	Semi-Automated Data Acquisition for Management of the Company in Non-Automated Production System Case Study. *Applied Mechanics and Materials*, **2015**, 809-810, 1510-1515	0.3
7	Similarity of Parts Determined by Semantic Networks as the Basis for Manufacturing Cost Estimation. *Advances in Intelligent Systems and Computing*, **2021**, 320-330	0.4
6	Analysis of complex manufacturing processes scheduling in different advanced informatics environments. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 062020	0.4
5	Complex technical systems modelling and their mechatronics function simulation. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 042028	0.4
4	Production orders planning using additional backward pass scheduling approach. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 062015	0.4
3	Experimental analysis of dynamic parameters of the robot drive. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 052001	0.4
2	Optimization of energy consumption in a designed prototype vehicle in an advanced engineering environment. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 042041	0.4
1	The Kanban system for the assembly process of the model of a forklift. *IOP Conference Series: Materials Science and Engineering*, **2018**, 400, 022043	0.4