

# Grzegorz Cwikla

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Impact of the Selected Disturbing Factors on Accuracy of the Distance Measurement with the Use of Ultrasonic Transducers in a Hard Coal Mine. <i>Energies</i> , <b>2022</b> , 15, 133	3.1	1
42	Similarity of Parts Determined by Semantic Networks as the Basis for Manufacturing Cost Estimation. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 320-330	0.4	
41	Research on Ultrasonic Transducers to Accurately Determine Distances in a Coal Mine Conditions. <i>Energies</i> , <b>2021</b> , 14, 2532	3.1	1
40	Predictive Maintenance Scheduling with Failure Rate Described by Truncated Normal Distribution. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
39	Assessment of Similarity of Elements as a Basis for Production Costs Estimation. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 386-395	0.4	1
38	A Comparison Analysis of the Computer Simulation Results of a Real Production System. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 344-354	0.4	1
37	Statistical process control and CAQ systems as a tools assuring quality in the automotive industry. <i>Multidisciplinary Aspects of Production Engineering</i> , <b>2019</b> , 2, 336-344	0.4	1
36	Analysis of complex manufacturing processes scheduling in different advanced informatics environments. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 062020	0.4	
35	The pneumatic and electropneumatic systems in the context of 4th industrial revolution. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 022024	0.4	6
34	Complex technical systems modelling and their mechatronics function simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 042028	0.4	
33	Positioning a robot in a robotic cell in Tecnomatix. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 052002	0.4	1
32	Production orders planning using additional backward pass scheduling approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 062015	0.4	
31	The initial considerations and tests on the use of real time locating system in manufacturing processes improvement. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 042013	0.4	3
30	Experimental analysis of dynamic parameters of the robot drive. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 052001	0.4	
29	A computer simulation as a tool for a production system analysis and optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 022033	0.4	0
28	Optimization of energy consumption in a designed prototype vehicle in an advanced engineering environment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 042041	0.4	
27	Assessment of the efficiency of the continuous improvement system based on Kaizen in an example company. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 062008	0.4	1

26	The Kanban system for the assembly process of the model of a forklift. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 400, 022043	0.4	
25	The CAD drawing as a source of data for robot programming purposes – a review. <i>MATEC Web of Conferences</i> , <b>2017</b> , 94, 05002	0.3	11
24	Problems of integration of a manufacturing system with the business area of a company on the example of the Integrated Manufacturing Systems Laboratory. <i>MATEC Web of Conferences</i> , <b>2017</b> , 94, 06004	0.3	18
23	The influence of printing parameters on selected mechanical properties of FDM/FFF 3D-printed parts. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012033	0.4	63
22	Experimental determination of dynamic parameters of an industrial robot. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012012	0.4	6
21	Analysis of design characteristics of a V-type support using an advanced engineering environment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012053	0.4	
20	Tensile tests of specimens made of selected group of the filament materials manufactured with FDM method. <i>MATEC Web of Conferences</i> , <b>2017</b> , 112, 04017	0.3	5
19	Algorithms of control parameters selection for automation of FDM 3D printing process. <i>MATEC Web of Conferences</i> , <b>2017</b> , 112, 05011	0.3	1
18	The influence of computer-generated path on the robot's effector stability of motion. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012045	0.4	
17	Modelling of teeth of a gear transmission for modern manufacturing technologies. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012080	0.4	
16	Modelling of industrial robot in LabView Robotics. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012011	0.4	4
15	Analysis of the possibility of SysML and BPMN application in formal data acquisition system description. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012034	0.4	2
14	Integration of Manufacturing Functions for SME. Holonic-Based Approach. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 464-473	0.4	13
13	The role of multi-agent systems in improving performance of manufacturing robotized cells. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012097	0.4	8
12	The Experimental Cutting Parameters Fitting in Turning Technological Operations for Selected Polyamide Materials. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 809-810, 159-164	0.3	
11	The laboratory station for tyres grip testing on different surfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012092	0.4	
10	Application of the MIAS methodology in design of the data acquisition system for wastewater treatment plant. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012153	0.4	16
9	The Graph of Operations Planning Sequence of a Production Order for Scheduling with Mixed Planning Strategies and Alternatives. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 809-810, 1420-1425	0.3	

8	Semi-Automated Data Acquisition for Management of the Company in Non-Automated Production System [Case Study. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 809-810, 1510-1515	0.3	
7	The Expert System Supporting Design of the Manufacturing Information Acquisition System (MIAS) for Production Management. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 852-857	0.5	9
6	Case Study of Manufacturing Information Acquisition System (MIAS) in Automated Continuous Production System. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 657, 808-812	0.3	10
5	The Practical Approach to Freeform Shape Elements Reverse Engineering. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 657, 755-759	0.3	6
4	The New Approach to Design Features Identification. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 657, 750-754	0.3	15
3	The Methodology of Development of the Manufacturing Information Acquisition System (MIAS) for Production Management. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 474, 27-32	0.3	22
2	Methods of Manufacturing Data Acquisition for Production Management - A Review. <i>Advanced Materials Research</i> , <b>2013</b> , 837, 618-623	0.5	30
1	Real-Time Monitoring Station for Production Systems. <i>Advanced Materials Research</i> , <b>2013</b> , 837, 334-339	0.5	14