

# Waclaw Wb Banas

## 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.

38  
papers

186  
citations

7  
h-index

11  
g-index

38  
ext. papers

197  
ext. citations

0.4  
avg, IF

2.79  
L-index

#	Paper	IF	Citations
38	Modelling cooperation of industrial robots as multi-agent systems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012061	0.4	7
37	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
36	Modelling of a mecanum wheel taking into account the geometry of road rollers. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012060	0.4	1
35	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	
34	Design of strength characteristics on the example of a mining support. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012054	0.4	4
33	The comparison of the use of holonic and agent-based methods in modelling of manufacturing systems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012046	0.4	7
32	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	
31	Modeling of a production system using the multi-agent approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012052	0.4	4
30	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	
29	Modelling and simulation of a robotic work cell. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012116	0.4	2
28	Modelling of industrial robot in LabView Robotics. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 227, 012011	0.4	4
27	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
26	Modelling and simulation tooling controlled by the PLC in the robot cell in NX. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 052016	0.4	1
25	Optimizing a four-props support using the integrative design approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 042005	0.4	
24	Analysis of the position of robotic cell components and its impact on energy consumption by robot. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 052017	0.4	2
23	Modelling of Robotized Manufacturing Systems Using MultiAgent Formalism. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 052012	0.4	
22	Modelling of robotic work cells using agent based-approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 052013	0.4	3

21	Application of the advanced engineering environment for optimization energy consumption in designed vehicles. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 042036	0.4	
20	Modeling of a V-type mining support in an advanced engineering environment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 042004	0.4	1
19	A Multi-Agent Approach to the Simulation of Robotized Manufacturing Systems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 145, 052011	0.4	1
18	The distributed agent-based approach in the e-manufacturing environment. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012134	0.4	7
17	Modular industrial robots as the tool of process automation in robotized manufacturing cells. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012104	0.4	11
16	Modelling of cooperating robotized systems with the use of object-based approach. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012107	0.4	2
15	Determination of the robot location in a workcell of a flexible production line. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012105	0.4	6
14	Object positioning in storages of robotized workcells using LabVIEW Vision. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012098	0.4	1
13	Agent-based models in robotized manufacturing cells designing. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012106	0.4	5
12	The modular design of robotic workcells in a flexible production line. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012099	0.4	5
11	Technological process supervising using vision systems cooperating with the LabVIEW vision builder. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012086	0.4	8
10	Object as a model of intelligent robot in the virtual workspace. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012108	0.4	1
9	Influence of the excitation parameters of the mechanical subsystem on effectiveness of energy harvesting system. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012052	0.4	10
8	Construction typification as the tool for optimizing the functioning of a robotized manufacturing system. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 95, 012103	0.4	5
7	Protection of Hydraulic Systems against Dynamic Loads Using Multi-Valve Approach. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 547-552	0.5	4
6	Simulator of the Car for Driving Courses for the People with Mobility Impairments. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 817-822	0.5	16
5	Agent-Based Systems Approach for Robotic Workcell Integration. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 721-725	0.5	11
4	Integrated Approach to the Designing Process of Complex Technical Systems. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 1023-1027	0.5	19

3	Concepts of Flexible Production Line, on the Example of Robotic Cell. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 749-754	0.5	5
2	Optimization of the Lean Production Process Using the Virtual Manufacturing Cell. <i>Advanced Materials Research</i> , <b>2014</b> , 1036, 858-863	0.5	1
1	Simulation of the Stewart Platform Carried out Using the Siemens NX and NI LabVIEW Programs. <i>Advanced Materials Research</i> , <b>2013</b> , 837, 537-542	0.5	24