Waclaw Wb Banas

List of Publications by Citations

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	Simulation of the Stewart Platform Carried out Using the Siemens NX and NI LabVIEW Programs. *Advanced Materials Research*, **2013**, 837, 537-542	0.5	24
37	Integrated Approach to the Designing Process of Complex Technical Systems. *Advanced Materials Research*, **2014**, 1036, 1023-1027	0.5	19
36	Simulator of the Car for Driving Courses for the People with Mobility Impairments. *Advanced Materials Research*, **2014**, 1036, 817-822	0.5	16
35	Modular industrial robots as the tool of process automation in robotized manufacturing cells. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012104	0.4	11
34	Agent-Based Systems Approach for Robotic Workcell Integration. *Advanced Materials Research*, **2014**, 1036, 721-725	0.5	11
33	Influence of the excitation parameters of the mechanical subsystem on effectiveness of energy harvesting system. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012052	0.4	10
32	Technological process supervising using vision systems cooperating with the LabVIEW vision builder. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012086	0.4	8
31	Modelling cooperation of industrial robots as multi-agent systems. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012061	0.4	7
30	The comparison of the use of holonic and agent-based methods in modelling of manufacturing systems. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012046	0.4	7
29	The distributed agent-based approach in the e-manufacturing environment. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012134	0.4	7
28	Experimental determination of dynamic parameters of an industrial robot. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012012	0.4	6
27	Determination of the robot location in a workcell of a flexible production line. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012105	0.4	6
26	Agent-based models in robotized manufacturing cells designing. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012106	0.4	5
25	The modular design of robotic workcells in a flexible production line. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012099	0.4	5
24	Construction typification as the tool for optimizing the functioning of a robotized manufacturing system. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012103	0.4	5
23	Concepts of Flexible Production Line, on the Example of Robotic Cell. *Advanced Materials Research*, **2014**, 1036, 749-754	0.5	5
22	Design of strength characteristics on the example of a mining support. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012054	0.4	4

21	Modeling of a production system using the multi-agent approach. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012052	0.4	4
20	Modelling of industrial robot in LabView Robotics. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012011	0.4	4
19	Protection of Hydraulic Systems against Dynamic Loads Using Multi-Valve Approach. *Advanced Materials Research*, **2014**, 1036, 547-552	0.5	4
18	Modelling of robotic work cells using agent based-approach. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 052013	0.4	3
17	Analysis of the position of robotic cell components and its impact on energy consumption by robot. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 052017	0.4	2
16	Modelling and simulation of a robotic work cell. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012116	0.4	2
15	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
14	Modelling of cooperating robotized systems with the use of object-based approach. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012107	0.4	2
13	Modelling and simulation tooling controlled by the PLC in the robot cell in NX. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 052016	0.4	1
12	Modelling of a mecanum wheel taking into account the geometry of road rollers. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012060	0.4	1
11	Object positioning in storages of robotized workcells using LabVIEW Vision. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012098	0.4	1
10	Object as a model of intelligent robot in the virtual workspace. *IOP Conference Series: Materials Science and Engineering*, **2015**, 95, 012108	0.4	1
9	Optimization of the Lean Production Process Using the Virtual Manufacturing Cell. *Advanced Materials Research*, **2014**, 1036, 858-863	0.5	1
8	Modeling of a V-type mining support in an advanced engineering environment. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 042004	0.4	1
7	A Multi-Agent Approach to the Simulation of Robotized Manufacturing Systems. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 052011	0.4	1
6	Optimizing a four-props support using the integrative design approach. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 042005	0.4	
5	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	
4	Modelling of Robotized Manufacturing Systems Using MultiAgent Formalism. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 052012	0.4	

3	The influence of computer-generated path on the robot's effector stability of motion. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012045	0.4
2	Modelling of teeth of a gear transmission for modern manufacturing technologies. *IOP Conference Series: Materials Science and Engineering*, **2017**, 227, 012080	0.4
1	Application of the advanced engineering environment for optimization energy consumption in designed vehicles. *IOP Conference Series: Materials Science and Engineering*, **2016**, 145, 042036	0.4