Waclaw Wb Banas

List of Publications by Year
in descending order

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38	214	1163117 8	1199594 12
papers	citations	h-index	g-index

38	38	38	59
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simulation of the Stewart Platform Carried out Using the Siemens NX and NI LabVIEW Programs. Advanced Materials Research, 2013, 837, 537-542.	0.3	24
2	Integrated Approach to the Designing Process of Complex Technical Systems. Advanced Materials Research, 2014, 1036, 1023-1027.	0.3	19
3	Simulator of the Car for Driving Courses for the People with Mobility Impairments. Advanced Materials Research, 2014, 1036, 817-822.	0.3	16
4	Modular industrial robots as the tool of process automation in robotized manufacturing cells. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012104.	0.6	13
5	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.	0.6	13
6	Agent-Based Systems Approach for Robotic Workcell Integration. Advanced Materials Research, 2014, 1036, 721-725.	0.3	11
7	Technological process supervising using vision systems cooperating with the LabVIEW vision builder. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012086.	0.6	11
8	Determination of the robot location in a workcell of a flexible production line. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012105.	0.6	8
9	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.	0.6	8
10	Modelling cooperation of industrial robots as multi-agent systems. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012061.	0.6	8
11	The distributed agent-based approach in the e-manufacturing environment. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012134.	0.6	7
12	The modular design of robotic workcells in a flexible production line. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012099.	0.6	7
13	Concepts of Flexible Production Line, on the Example of Robotic Cell. Advanced Materials Research, 0, 1036, 749-754.	0.3	6
14	Construction typification as the tool for optimizing the functioning of a robotized manufacturing system. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012103.	0.6	6
15	Modeling of a production system using the multi-agent approach. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012052.	0.6	6
16	Experimental determination of dynamic parameters of an industrial robot. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012012.	0.6	6
17	Agent-based models in robotized manufacturing cells designing. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012106.	0.6	5
18	Modelling and simulation of a robotic work cell. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012116.	0.6	5

#	Article	IF	Citations
19	Modelling of industrial robot in LabView Robotics. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012011.	0.6	5
20	Protection of Hydraulic Systems against Dynamic Loads Using Multi-Valve Approach. Advanced Materials Research, 0, 1036, 547-552.	0.3	4
21	Modelling of a mecanum wheel taking into account the geometry of road rollers. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012060.	0.6	4
22	Design of strength characteristics on the example of a mining support. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012054.	0.6	4
23	Optimization of the Lean Production Process Using the Virtual Manufacturing Cell. Advanced Materials Research, 2014, 1036, 858-863.	0.3	3
24	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.	0.6	3
25	Modelling of robotic work cells using agent based-approach. IOP Conference Series: Materials Science and Engineering, 2016, 145, 052013.	0.6	3
26	Modelling of cooperating robotized systems with the use of object-based approach. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012107.	0.6	2
27	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.	0.6	2
28	Object positioning in storages of robotized workcells using LabVIEW Vision. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012098.	0.6	1
29	Object as a model of intelligent robot in the virtual workspace. IOP Conference Series: Materials Science and Engineering, 2015, 95, 012108.	0.6	1
30	Modelling and simulation tooling controlled by the PLC in the robot cell in NX. IOP Conference Series: Materials Science and Engineering, 2016, 145, 052016.	0.6	1
31	Modeling of a V-type mining support in an advanced engineering environment. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042004.	0.6	1
32	A Multi-Agent Approach to the Simulation of Robotized Manufacturing Systems. IOP Conference Series: Materials Science and Engineering, 2016, 145, 052011.	0.6	1
33	Optimizing a four-props support using the integrative design approach. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042005.	0.6	0
34	Application of the advanced engineering environment for optimization energy consumption in designed vehicles. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042036.	0.6	0
35	Modelling of Robotized Manufacturing Systems Using MultiAgent Formalism. IOP Conference Series: Materials Science and Engineering, 2016, 145, 052012.	0.6	0
36	The influence of computer-generated path on the robotâ€™s effector stability of motion. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012045.	0.6	0

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37	Modelling of teeth of a gear transmission for modern manufacturing technologies. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012080.	0.6	0
38	Analysis of design characteristics of a V-type support using an advanced engineering environment. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012053.	0.6	0