Roman Ruzarovsky

List of Publications by Year
in descending order

29 papers	105 citations	1683354 5 h-index	1719596 7 g-index
29 all docs	29 docs citations	29 times ranked	72 citing authors

#	Article	IF	Citations
1	Offline Programming of an ABB Robot Using Imported CAD Models in the RobotStudio Software Environment. Applied Mechanics and Materials, 0, 693, 62-67.	0.2	16
2	The Simulation of Conveyor Control System Using the Virtual Commissioning and Virtual Reality. Advances in Science and Technology Research Journal, 2018, 12, 164-171.	0.4	11
3	The Methods for Increasing of the Efficiency in the Intelligent Assembly Cell. Applied Mechanics and Materials, 0, 470, 729-732.	0.2	8
4	Design of a robotized workstation making use of the integration of CAD models and Robotic Simulation software as way of pairing and comparing real and virtual environments. MATEC Web of Conferences, 2017, 94, 05008.	0.1	6
5	Novel trends in the assembly process as the results of human â€" the industrial robot collaboration. MATEC Web of Conferences, 2017, 137, 04005.	0.1	6
6	Using Virtual Reality tools to support simulations of manufacturing instances in Process Simulate: The case of an iCIM 3000 system. MATEC Web of Conferences, 2017, 137, 04004.	0.1	6
7	An Innovative Approach of Industrial Robot Programming Using Virtual Reality for the Design of Production Systems Layout. Lecture Notes in Mechanical Engineering, 2019, , 223-235.	0.3	6
8	Into the early steps of Virtual Commissioning in Tecnomatix Plant Simulation using S7-PLCSIM Advanced and STEP 7 TIA Portal. MATEC Web of Conferences, 2019, 299, 02005.	0.1	6
9	Using Virtual Reality as a Support Tool for the Offline Robot Programming. Research Papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava, 2018, 26, 85-91.	0.4	5
10	Design Alternatives of Intelligent Camera System for Check Parts at the Intelligent Manufacturing-Assembly Cell. Applied Mechanics and Materials, 0, 58-60, 2262-2266.	0.2	4
11	Laboratory of Flexible Manufacturing System for Drawingless Manufacturing. Applied Mechanics and Materials, 2014, 693, 3-8.	0.2	4
12	A case study of robotic simulations using virtual commissioning supported by the use of virtual reality. MATEC Web of Conferences, 2019, 299, 02006.	0.1	4
13	Method for Robot Manipulator Joint Wear Reduction by Finding the Optimal Robot Placement in a Robotic Cell. Applied Sciences (Switzerland), 2021, 11, 5398.	1.3	4
14	Direct Production from CAD Models Considering on Integration with CIM Flexible Production System. Applied Mechanics and Materials, 2014, 474, 103-108.	0.2	3
15	Automated In-Process Inspection Method in the Flexible Production System iCIM 3000. Applied Mechanics and Materials, 0, 693, 50-55.	0.2	3
16	Designing of Intelligent Manufacturing Assembly Cell by Moduls of System Catia and E-Learning Module Creation. Advanced Materials Research, 0, 628, 283-286.	0.3	2
17	New Approach in Design of Automated Assembly Station for Disassembly Process. Applied Mechanics and Materials, 2013, 421, 595-600.	0.2	2
18	Layout Redesign and Material Flow Analysis at a Flexible Assembly Cell Supported by the Use of Simulation. Applied Mechanics and Materials, 0, 693, 22-29.	0.2	2

#	Article	IF	Citations
19	Virtual Commissioning of a Robotic Cell Prior to its Implementation Into a Real Flexible Production System.. Research Papers Faculty of Materials Science and Technology Slovak University of Technology in Trnava, 2018, 26, 93-101.	0.4	2
20	Design of Camera System Location at the Station for Loading and Orientation. Applied Mechanics and Materials, 2013, 309, 27-34.	0.2	1
21	The Possibilities of the Communication Methods of iCIM 3000 System and their Main Functions. Applied Mechanics and Materials, 2013, 421, 585-590.	0.2	1
22	Virtual commissioning of automated manufacturing systems â€" Quality-handling station case study. MATEC Web of Conferences, 2021, 343, 04002.	0.1	1
23	Design Alternatives of Positioning Devices in the Shelf Storage System. Lecture Notes in Electrical Engineering, 2012, , 63-68.	0.3	1
24	Measuring and evaluating the differences of compared images for a correct car silhouette categorization using integral transforms. Measurement Science Review, 2018, 18, 168-174.	0.6	1
25	Design Methodology of Automation Equipment and Control System in the Intelligent Assembly Cell. Applied Mechanics and Materials, 0, 58-60, 2407-2412.	0.2	0
26	Sensory System Design as an Implement for the Development of the Intelligent Assembly Cell. Advanced Materials Research, 0, 628, 287-291.	0.3	0
27	Application of Assembly System Partial Units for the Development of Intelligent Assembly Cell. Applied Mechanics and Materials, 0, 309, 3-11.	0.2	0
28	Evaluations of the voice to text transfer in different conditions. MATEC Web of Conferences, 2019, 290, 08009.	0.1	0
29	Automated Assembly Cell Conception Design. Lecture Notes in Electrical Engineering, 2012, , 85-92.	0.3	0