

# Vladimir Mostyn

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Initial Estimation of Kinematic Structure of a Robotic Manipulator as an Input for Its Synthesis. Applied Sciences (Switzerland), 2021, 11, 3548.	2.5	10
2	Optimization of a Truss Structure Used to Design of the Manipulator Arm from a Set of Components. Applied Sciences (Switzerland), 2021, 11, 10193.	2.5	3
3	DIMENSIONAL OPTIMIZATION OF THE ROBOTIC ARM TO REDUCE ENERGY CONSUMPTION. MM Science Journal, 2020, 2020, 3745-3753.	0.4	4
4	Kinect v2 infrared images correction. International Journal of Advanced Robotic Systems, 2018, 15, 172988141875578.	2.1	4
5	The synthesis of a segmented stair-climbing wheel. International Journal of Advanced Robotic Systems, 2018, 15, 172988141774947.	2.1	10
6	Track Occupancy Detection Using Ratio of Open-Circuit Impedance to Short-Circuit Impedance. Advances in Electrical and Electronic Engineering, 2018, 16, .	0.3	1
7	Estimating of traction capacity in track circuits using computer modelling. , 2017, , .		1
8	The Sensitivity of the Input Impedance Parameters of Track Circuits to Changes in the Parameters of the Track. Advances in Electrical and Electronic Engineering, 2017, 15, .	0.3	2
9	Sensory Subsystem of a Stair-Climbing Mobile Robot. Applied Mechanics and Materials, 2015, 772, 506-511.	0.2	0
10	MiniDelta - Educational robot with parallel kinematic structure. , 2015, , .		0
11	Control system of a mobile robot manipulator. , 2014, , .		10
12	Stereoscopic System with the Tilted Cameras. Applied Mechanics and Materials, 2013, 332, 154-164.	0.2	1
13	Tilting Optimization of Fixed Stereovision Cameras. Procedia Engineering, 2012, 48, 479-488.	1.2	0
14	Improving mechanical model accuracy for simulation purposes. Mechatronics, 2004, 14, 777-787.	3.3	5
15	The Synthesis and Testing of a Shaped Wheel for Stairs Climbing Robot. Applied Mechanics and Materials, 0, 555, 178-185.	0.2	9
16	Special Wheels for Overcoming Stairs. Applied Mechanics and Materials, 0, 811, 268-272.	0.2	1
17	Velocity Characteristics of Movement of Chassis with Special Wheels for Overcoming Stairs. Applied Mechanics and Materials, 0, 811, 263-267.	0.2	2