

Lê Ubica Mikov

List of Publications by Year in descending order

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35
papers

158
citations

1478505

6
h-index

1281871

11
g-index

35
all docs

35
docs citations

35
times ranked

142
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Approach for a Inverse Kinematics Solution of a Redundant Manipulator. Applied Sciences (Switzerland), 2018, 8, 2229.	2.5	41
2	An inspection of pipe by snake robot. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666366.	2.1	27
3	Adaptable Mechatronic Locomotion System. Acta Mechanica Slovaca, 2010, 14, 102-109.	0.1	10
4	Influence of pipe geometric deviation on bristled in-pipe mobile robot locomotion. International Journal of Advanced Robotic Systems, 2018, 15, 172988141877580.	2.1	9
5	Concept of Locomotion Mobile Undercarriage Structure Control for the Path Tracking. Solid State Phenomena, 0, 198, 79-83.	0.3	8
6	Rapid Control Prototyping of Embedded Systems Based on Microcontroller. Procedia Engineering, 2014, 96, 215-220.	1.2	7
7	Specific Problems in Measurement of Coefficient of Friction Using Variable Incidence Tribometer. Symmetry, 2020, 12, 1235.	2.2	6
8	Simulation Model of Manipulator for Model Based Design. Applied Mechanics and Materials, 2014, 611, 175-182.	0.2	5
9	Robotic snakes. Acta Mechanica Slovaca, 2018, 22, 38-43.	0.1	5
10	Inverse Kinematic Model of Humanoid Robot Hand. Applied Mechanics and Materials, 2014, 611, 75-82.	0.2	4
11	Embedded Systems via Using Microcontroller. Applied Mechanics and Materials, 0, 816, 248-254.	0.2	4
12	Modeling and control of two-link snake. International Journal of Advanced Robotic Systems, 2018, 15, 172988141876063.	2.1	4
13	Snake Robot Locomotion Patterns for Straight and Curved Pipe. Strojnický Casopis, 2018, 68, 91-104.	0.9	4
14	A Non-Anthropomorphic Bipedal Walking Robot with a Vertically Stabilized Base. Applied Sciences (Switzerland), 2022, 12, 4108.	2.5	4
15	Intelligent in-pipe machine adjustable to inner pipe diameter. , 2012, , .		3
16	TUNING PERCEPTION AND MOTION PLANNING PARAMETERS FOR MOVEIT! FRAMEWORK. MM Science Journal, 2020, 2020, 4154-4163.	0.4	3
17	Declination Angle Gage for Tilt Measurement Sensors. Procedia Engineering, 2012, 48, 549-556.	1.2	2
18	Bristled In-pipe Machine Inside Pipe With Geometric Deviations. Procedia Engineering, 2012, 48, 287-294.	1.2	2

#	ARTICLE	IF	CITATIONS
19	Model of mechatronic system's undercarriage created on the basis of its dynamics. , 2013, , .		2
20	Design of Algorithm of Hydraulic Control System. Procedia Engineering, 2012, 48, 413-419.	1.2	1
21	Model of Elements of the Hydraulic Control System for Biaxial Tensile Test. Procedia Engineering, 2012, 48, 420-427.	1.2	1
22	Mathematical Model of Four Wheeled Mobile Robot and its Experimental Verification. Applied Mechanics and Materials, 0, 611, 130-136.	0.2	1
23	Friction Force Identification for Machine Locomotion. Applied Mechanics and Materials, 2015, 816, 276-281.	0.2	1
24	Speed Control of a DC Motor Using PD and PWM Controllers. Solid State Phenomena, 2015, 220-221, 244-250.	0.3	1
25	Educational Model of Line Follower Robot LINA 2010. Solid State Phenomena, 0, 220-221, 989-994.	0.3	1
26	Contribution to computer simulation of problems from the theory of mechanisms focused on robots. AIP Conference Proceedings, 2019, , .	0.4	1
27	Locomotive, principally kinematic system of snakelike robot mathematical model with variable segment length. , 2020, , .		1
28	Didactic Models Used on Mechatronic Courses. Solid State Phenomena, 2013, 199, 661-666.	0.3	0
29	Puck Collecting Robot. Applied Mechanics and Materials, 2014, 611, 256-264.	0.2	0
30	Design of Control of DC Motor. Applied Mechanics and Materials, 2014, 611, 325-331.	0.2	0
31	Uncertainty of Dust Mass Concentration Measurement. Applied Mechanics and Materials, 2014, 611, 511-518.	0.2	0
32	Impact of dynamics of the frame on the performance of the positioning servosystem. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666366.	2.1	0
33	Design of reconfigurable robot. , 2018, , .		0
34	Motion control of nonholonomic robots at low speed. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090255.	2.1	0
35	RECONFIGURABLE WHEEL-LEGGED ROBOT. MM Science Journal, 2020, 2020, 3960-3965.	0.4	0