

Erik Prada

List of Publications by Year in descending order

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39
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39
docs citations

39
times ranked

107
citing authors

#	ARTICLE	IF	CITATIONS
1	A Portable BVM-based Emergency Mechanical Ventilator. , 2021, , .		6
2	A snake robot for locomotion in a pipe using trapezium-like travelling wave. Mechanism and Machine Theory, 2021, 158, 104221.	2.7	25
3	Substantiation of Parameters of Friction Elements of Bernoulli Grippers With a Cylindrical Nozzle. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2021, 11, 17-39.	0.3	4
4	Chimney Sweeping Robot Based on a Pneumatic Actuator. Applied Sciences (Switzerland), 2021, 11, 4872.	1.3	7
5	OPTIMIZING A QUADRUPED ROBOT: A COMPARISON OF TWO METHODS. MM Science Journal, 2021, 2021, 4348-4355.	0.2	3
6	Using Virtual Scanning to Find Optimal Configuration of a 3D Scanner Turntable for Scanning of Mechanical Parts. Sensors, 2021, 21, 5343.	2.1	6
7	Linear Motion Mechanisms for Fine Position Adjustment of Heavy Weight Platforms. Advances in Intelligent Systems and Computing, 2020, , 19-25.	0.5	3
8	Specific Problems in Measurement of Coefficient of Friction Using Variable Incidence Tribometer. Symmetry, 2020, 12, 1235.	1.1	6
9	Investigation of Snake Robot Locomotion Possibilities in a Pipe. Symmetry, 2020, 12, 939.	1.1	19
10	Motion control of nonholonomic robots at low speed. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090255.	1.3	0
11	RECONFIGURABLE WHEEL-LEGGED ROBOT. MM Science Journal, 2020, 2020, 3960-3965.	0.2	0
12	POSSIBILITIES OF CONVERT CAD MODELS FOR REAL TIME RENDERING SOFTWARE. Technical Sciences and Technologies, 2020, , 220-228.	0.0	1
13	TUNING PERCEPTION AND MOTION PLANNING PARAMETERS FOR MOVEIT! FRAMEWORK. MM Science Journal, 2020, 2020, 4154-4163.	0.2	3
14	DETERMINATION OF TRANSFER FUNCTION OF MAGNETIC LEVITATION MODEL AND EXPERIMENTAL VERIFICATION OF OPTICAL SENSOR. Technical Sciences and Technologies, 2019, , 148-154.	0.0	0
15	Chimney Cleaning and Inspection Robot. Acta Mechanica Slovaca, 2019, 23, 6-9.	0.1	5
16	The Finite Element Analysis of High Precision Positioning System. Strojnický Casopis, 2018, 68, 41-48.	0.3	6
17	Friction Force Identification for Machine Locomotion. Applied Mechanics and Materials, 2015, 816, 276-281.	0.2	1
18	Anisotropic Friction Difference Principle of In-Pipe Machine. Applied Mechanics and Materials, 2015, 816, 306-312.	0.2	0

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19	New approach of fixation possibilities investigation for snake robot in the pipe. , 2015, , .		6
20	The Use of Geometric Mechanics Concept at Kinematic Modeling in Mobile Robotics. Procedia Engineering, 2014, 96, 273-280.	1.2	3
21	Simulation of Collision Situations in RobotStudio. Applied Mechanics and Materials, 2014, 613, 325-329.	0.2	0
22	SolidWorks API for Ring-Core simulations. , 2014, , .		5
23	Theoretical Basics of Geometric Mechanics and Differential Geometry. American Journal of Mechanical Engineering, 2014, 2, 178-183.	0.4	1
24	Motion analysis of snake robot segment. , 2013, , .		4
25	Intelligent in-pipe machine adjustable to inner pipe diameter. , 2012, , .		3
26	Design of Robot Vehicle Undercarriage with Ability to Operate in Broken Terrain. Procedia Engineering, 2012, 48, 650-655.	1.2	5
27	Manipulator End-Effector Position Control. Procedia Engineering, 2012, 48, 684-692.	1.2	5
28	Algorithm for determining static characteristic on electromagnetic actuator for rectilinear locomotion structure of a snake-like robot. , 2012, , .		2
29	Kinematic analysis of snake-like robot using obstacle aided locomotion. , 2012, , .		3
30	Investigation of the Magnetic Field Influence of Permanent Adjustable Magnets Matrix on the Whole Positioning Mechanism and Levitating Diamagnetic object. Procedia Engineering, 2012, 48, 583-591.	1.2	0
31	Influence of Pipe Geometric Deviations on In-Pipe Machine Locomotion. Applied Mechanics and Materials, 0, 611, 221-226.	0.2	2
32	Simulation Analysis of Pneumatic Rubber Bellows for Segment of Hyper-Redundant Robotic Mechanism. Applied Mechanics and Materials, 0, 611, 10-21.	0.2	4
33	Snake Robot Movement in the Pipe Using Concertina Locomotion. Applied Mechanics and Materials, 0, 611, 121-129.	0.2	12
34	Analysis of Uncertainty of Tilt Measurement with Accelerometer. Applied Mechanics and Materials, 0, 611, 548-556.	0.2	2
35	Embedded Systems via Using Microcontroller. Applied Mechanics and Materials, 0, 816, 248-254.	0.2	4
36	Stepper Motor Control by ATMEL AVR Microcontroller. Applied Mechanics and Materials, 0, 816, 321-326.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Elimination of the Collision States of the Effectors of Industrial Robots by Application of Neural Networks. Applied Mechanics and Materials, 0, 798, 276-281.	0.2	2
38	Positioning of Pneumatic Actuator Using Open-Loop System. Applied Mechanics and Materials, 0, 816, 160-164.	0.2	4
39	Simulation and Determination of the Influence of the Gait Function on the Change of the Shape of a Snake-Like Robot. Applied Mechanics and Materials, 0, 789-790, 636-642.	0.2	2