

# Andrey Yatsun

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

275  
citations

1307594

7  
h-index

1125743

13  
g-index

44  
all docs

44  
docs citations

44  
times ranked

51  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parameter Optimization for Exoskeleton Control System Using Sobol Sequences. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2016, , 361-368.	0.6	27
2	Adaptive control system for exoskeleton performing sit-to-stand motion. , 2015, , .		24
3	Algorithm for motion control of an exoskeleton during verticalization. ITM Web of Conferences, 2016, 6, 01001.	0.5	17
4	Improvement of energy consumption for a lower limb exoskeleton through verticalization time optimization. , 2016, , .		15
5	Comparative Analysis of the Industrial Exoskeleton Control Systems. Smart Innovation, Systems and Technologies, 2020, , 63-74.	0.6	14
6	System analysis of sagittal plane human motion wearing an exoskeleton using marker technology. ITM Web of Conferences, 2016, 6, 03006.	0.5	13
7	Footstep Planner Algorithm for a Lower Limb Exoskeleton Climbing Stairs. Lecture Notes in Computer Science, 2017, , 75-82.	1.3	12
8	Simulation of exoskeleton sit-to-stand movement. Journal of Machinery Manufacture and Reliability, 2016, 45, 206-210.	0.5	11
9	Vibration driven robots for in pipe inspection. , 2007, , .		7
10	Comparative analysis of global optimization-based controller tuning methods for an exoskeleton performing push recovery. , 2016, , .		7
11	CONTROL SYSTEM PARAMETER OPTIMIZATION FOR LOWER LIMB EXOSKELETON WITH INTEGRATED ELASTIC ELEMENTS. , 2016, , 797-805.		7
12	Investigation of Human Cargo Handling in Industrial Exoskeleton. , 2018, , .		7
13	Liquid products of the microwave pyrolysis of scrap tires. Solid Fuel Chemistry, 2013, 47, 252-254.	0.7	6
14	Bio-inspired adaptive control strategy for a snake-like robot. , 2015, , .		4
15	Study of controlled motion of an exoskeleton performing obstacle avoidance during a single support walking phase. , 2016, , .		4
16	MODELLING OF MOVEMENT OF THE THREE-LINK ROBOT WITH OPERATED FRICTION FORCES ON THE HORIZONTAL SURFACE. , 2013, , .		4
17	Locomotion Control Method for Patients Verticalization with Regard to their Safety and Comfort. Annals of DAAAM & Proceedings, 2016, , 1129-1137.	0.1	4
18	Investigation of Human Locomotion With a Powered Lower Limb Exoskeleton. Advances in Computational Intelligence and Robotics Book Series, 2018, , 26-47.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Investigation of Movements of Lower-Limb Assistive Industrial Device. Lecture Notes in Computer Science, 2019, , 226-235.	1.3	4
20	A Control Strategy for a Lower Limb Exoskeleton with a Toe Joint. Lecture Notes in Computer Science, 2016, , 1-8.	1.3	3
21	Motion Control Automation in the Quadcopter Convertiplane in a Transient Mode. , 2018, , .		3
22	Harmonic Function-Based ZMP Trajectory Generation for Nonlinear Motion of Walking Robots. , 2018, , .		3
23	Solving the Problem of Overcoming a Staircase Flight by a Multi-Link Crawling Robot. , 2020, , .		3
24	Motion Control Algorithm for Exoskeleton Push Recovery in the Frontal Plane. Advances in Intelligent Systems and Computing, 2017, , 474-481.	0.6	3
25	Simulation of Static Walking in an Exoskeleton. Smart Innovation, Systems and Technologies, 2022, , 49-60.	0.6	3
26	Modelling of Robot's Motion by Use of Vibration of Internal Masses. , 2009, , 263-270.		2
27	Theoretical and experimental studies of transverse dimensional gait of five-link mobile robot on rough surface. , 2015, , .		2
28	The control algorithm of the lower limb exoskeleton synchronous gait. MATEC Web of Conferences, 2018, 161, 03010.	0.2	2
29	Modelling Characteristics of Human-Robot Interaction in an Exoskeleton System with Elastic Elements. Lecture Notes in Computer Science, 2018, , 85-94.	1.3	2
30	Trajectory Planning Strategy for the Links of a Walking Human-Machine System Using a Neural Network. Lecture Notes in Networks and Systems, 2022, , 255-261.	0.7	2
31	Studying of Copying Control System with Nonlinear Measurer. Smart Innovation, Systems and Technologies, 2022, , 13-23.	0.6	2
32	Hardware-Software System for Assessing Elastic-Dissipative Properties of Skin Integument. Bio-Medical Engineering, 2009, 43, 43-47.	0.5	1
33	STUDY OF A VIBRATION DRIVEN HOPPING ROBOT. , 2008, , .		1
34	Footstep Planning for Bipedal Robots and Lower Limb Exoskeletons Moving Through Narrow Doors. Smart Innovation, Systems and Technologies, 2020, , 77-88.	0.6	1
35	Modeling of the Exoskeletal Human-Machine System Movement Lifting a Load. Smart Innovation, Systems and Technologies, 2021, , 259-268.	0.6	1
36	MODELLING OF HOPPING ROBOT WITH ACTIVE VIBROISOLATION FOR ONBOARD EQUIPMENT. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	Study of a nonlinear control system for unbalanced two-link mechanism. , 2015, , .		0
38	Investigation of Human Locomotion With a Powered Lower Limb Exoskeleton. , 2021, , 233-254.		0
39	MOBILE JUMPING ROBOT, EQUIPPED WITH ELECTROMECHANICAL LINEAR DRIVES. , 2010, , .		0
40	Simulation of Underwater Robot Autonomous Motion Along Predetermined Straight Path. Smart Innovation, Systems and Technologies, 2022, , 73-84.	0.6	0