

Andrea Deaconescu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/877427/publications.pdf>

Version: 2024-02-01

45
papers

90
citations

1684188

5
h-index

1588992

8
g-index

45
all docs

45
docs citations

45
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Pneumatic Muscle-Actuated Adjustable Compliant Gripper System for Assembly Operations. Strojnikski Vestnik/Journal of Mechanical Engineering, 2017, 63, 225-234.	1.1	14
2	Developing an Analytical Model and Computing Tool for Optimizing Lapping Operations of Flat Objects Made of Alloyed Steels. Materials, 2020, 13, 1343.	2.9	12
3	Response Surface Methods Used for Optimization of Abrasive Waterjet Machining of the Stainless Steel X2 CrNiMo 17-12-2. Materials, 2021, 14, 2475.	2.9	10
4	Orthopaedic Rehabilitation Device Actuated with Pneumatic Muscles. International Journal of Advanced Robotic Systems, 2014, 11, 105.	2.1	7
5	Contact mechanics and friction in PTFE coaxial sealing systems. International Journal of Mechanics and Materials in Design, 2018, 14, 635-646.	3.0	6
6	Tribological Behavior of Hydraulic Cylinder Coaxial Sealing Systems Made from PTFE and PTFE Compounds. Polymers, 2020, 12, 155.	4.5	5
7	Pneumatic Muscle Actuated Equipment for Continuous Passive Motion. , 2009, , .		4
8	Decision Support System Based on Robust Design Methods. , 2017, , .		3
9	Pneumatic Equipment for Ankle Rehabilitation by Continuous Passive Motion. Mechanisms and Machine Science, 2020, , 13-21.	0.5	3
10	Energy-to-Mass Ratio – A Novel Selection Criterion of Pneumatic Motors Used for the Actuation of Wearable Assistive Devices. Applied Sciences (Switzerland), 2022, 12, 6459.	2.5	3
11	Assistive Rehabilitation Device for the Joints of the Lower Limb. , 2011, , .		2
12	Symmetrical Pneumatic Muscle Actuated Gripper System with Two Mobile Jaws. Applied Mechanics and Materials, 0, 541-542, 852-856.	0.2	2
13	Adjustable compliance soft gripper system. International Journal of Advanced Robotic Systems, 2019, 16, 172988141986658.	2.1	2
14	Mechanical Design of a Bioinspired Compliant Robotic Wrist Rehabilitation Equipment. Applied Sciences (Switzerland), 2021, 11, 1246.	2.5	2
15	Analysis of the Impact of Robust Design on the Performance of a Plane Lapping System. Advanced Science Letters, 2013, 19, 27-31.	0.2	2
16	Experimental Research on Polymer-Based Coaxial Sealing Systems of Hydraulic Cylinders for Small Displacement Velocities. Polymers, 2022, 14, 290.	4.5	2
17	Robust design - A decision making tool in machining by lapping. , 2010, , .		1
18	Key Aspects in Addressing Friction in Coaxial Hydraulic Sealing Systems. Advanced Materials Research, 2013, 690-693, 1988-1991.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Actuation by Pneumatic Muscles of a Parallel Asymmetric Gripper System. Applied Mechanics and Materials, 0, 548-549, 943-947.	0.2	1
20	Continuous passive motion-based rehabilitation equipment for the recovery of lower limb bearing joints. International Journal of Biomechatronics and Biomedical Robotics, 2014, 3, 12.	0.2	1
21	Particularities of Plane Surface Lapping. Applied Mechanics and Materials, 2015, 809-810, 9-14.	0.2	1
22	Pneumatic Muscle Actuated Compliant Gripper Systems. MATEC Web of Conferences, 2016, 70, 02006.	0.2	1
23	Elbow joint rehabilitation equipment actuated by pneumatic muscles. MATEC Web of Conferences, 2017, 94, 07010.	0.2	1
24	Development of elbow rehabilitation equipment using pneumatic muscles. MATEC Web of Conferences, 2017, 121, 01017.	0.2	1
25	Linear pneumatic motors – a comparative study. MATEC Web of Conferences, 2017, 112, 05007.	0.2	1
26	Structural and kinematic analysis of elbow rehabilitation equipment. IOP Conference Series: Materials Science and Engineering, 0, 400, 022058.	0.6	1
27	Experimental Research on the Hysteretic Behaviour of Pressurized Artificial Muscles Made from Elastomers with Aramid Fibre Insertions. Actuators, 2020, 9, 83.	2.3	1
28	Pneumatic Muscle Actuated Rotation-Translation System. Applied Mechanics and Materials, 2014, 555, 129-134.	0.2	0
29	Constructive and Functional Modelling of a Pneumatic Muscle Actuated Symmetric Gripper System with Two Mobile Jaws. Applied Mechanics and Materials, 2014, 657, 574-578.	0.2	0
30	Study of kerf geometry of multilayers materials in abrasive water jet cutting process. MATEC Web of Conferences, 2017, 94, 03001.	0.2	0
31	Pneumatic Muscle Actuated Rehabilitation Equipment of the Upper Limb Joints. IOP Conference Series: Materials Science and Engineering, 2017, 212, 012011.	0.6	0
32	Pneumatic muscle actuated parallel asymmetrical gripper system with one mobile jaw. MATEC Web of Conferences, 2017, 112, 05006.	0.2	0
33	Comparison between two models of elbow rehabilitation equipment. MATEC Web of Conferences, 2017, 121, 01018.	0.2	0
34	Establishing the torsional rigidity of a rotation module responsible for the flexion-extension motions of the elbow. MATEC Web of Conferences, 2018, 178, 07006.	0.2	0
35	Pneumatic muscle actuated rotation modules for elbow rehabilitation equipment. IOP Conference Series: Materials Science and Engineering, 2018, 400, 022059.	0.6	0
36	Innovation by Analogy - Stages of New Gripper Systems Development. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Static analysis of a torsion motor generating flexion - extension motions of the elbow. MATEC Web of Conferences, 2018, 178, 07005.	0.2	0
38	Wrist Rehabilitation Equipment Based on the Fin-Ray® Effect. Advances in Intelligent Systems and Computing, 2020, , 393-401.	0.6	0
39	Compliance Adjustment of a Gripper System Designed for the Seizing of Objects of Modifiable Consistency. Journal of Physics: Conference Series, 2020, 1583, 012004.	0.4	0
40	Plane surface lapping technological processor. MATEC Web of Conferences, 2021, 343, 02002.	0.2	0
41	Bio-Inspired Pneumatic Muscle Actuated Robotic System. Lecture Notes in Electrical Engineering, 2011, , 27-40.	0.4	0
42	Functional Characteristics of Pneumatic Muscle Actuated Rehabilitation Equipment for the Joints of the Inferior Limb. Advanced Science Letters, 2013, 19, 85-89.	0.2	0
43	Pneumatic Muscle Actuated Wrist Rehabilitation Equipment Based on the Fin Ray Principle. Strojnicki Vestnik/Journal of Mechanical Engineering, 0, , .	1.1	0
44	Technological Innovation in Medical Rehabilitation. , 2019, , .		0
45	Compliance Adjustment of a Gripper System Designed for the Seizing of Objects of Modifiable Consistency. RECENT - REzultatele CErcetĂfrilor Noastre Tehnice, 2020, 21, 38-44.	0.1	0