

# Ionut Geonea

## List of Publications by Year in descending order

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papers

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citations

1163117

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92  
docs citations

92  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical and experimental study methods for a robotic system with deformable elements used in minimally invasive surgery. Mechanism and Machine Theory, 2022, 167, 104459.	4.5	3
2	Characterization of Titanium Alloy Obtained by Powder Metallurgy. Materials, 2022, 15, 2057.	2.9	4
3	Design Approaches of an Exoskeleton for Human Neuromotor Rehabilitation. Applied Sciences (Switzerland), 2022, 12, 3952.	2.5	4
4	A New Exoskeleton Robot for Human Motion Assistance. , 2022, , .		2
5	Experimental measurement of the cutting forces and wear of the drill in processing X17CrNi16-2 martensitic stainless steel. Mechanical Sciences, 2021, 12, 269-287.	1.0	1
6	A Parallel Robot with Torque Monitoring for Brachial Monoparesis Rehabilitation Tasks. Applied Sciences (Switzerland), 2021, 11, 9932.	2.5	17
7	Gears Dynamic Response to Vibrations. Springer Proceedings in Physics, 2021, , 91-100.	0.2	0
8	Nonlinear Dynamic Analysis of Human Sit-to-Stand Movement with Application to the Robotic Structures. Mechanisms and Machine Science, 2021, , 238-246.	0.5	1
9	Dynamic Analysis of a Spherical Parallel Robot Used for Brachial Monoparesis Rehabilitation. Applied Sciences (Switzerland), 2021, 11, 11849.	2.5	10
10	Dynamic and Modal Analysis of a Snake like Robot. Applied Mechanics and Materials, 2020, 896, 203-210.	0.2	1
11	Circular-Arc Radial Cams with One Connection Arc. Applied Mechanics and Materials, 2020, 896, 83-94.	0.2	0
12	New design and motion analysis of an exoskeleton robot for assisting human locomotion. , 2020, , .		3
13	Research in the field of vibration of automotive systems. IOP Conference Series: Materials Science and Engineering, 2020, 898, 012039.	0.6	0
14	Experimental Determination of the Loading Capacity of the Elastic Bracelet Assembly. IOP Conference Series: Materials Science and Engineering, 2020, 724, 012006.	0.6	0
15	Modeling the Vibrations of the Pale of a Wind. Applied Mechanics and Materials, 2020, 896, 47-58.	0.2	0
16	About the Vibration and Dynamics of a Bus Chassis. Applied Mechanics and Materials, 2020, 896, 97-104.	0.2	1
17	Solicitations in the Rear Axle Support of a Karting Frame. , 2020, , 607-613.		0
18	Surface Roughness and Temperature in Dry Milling of an Austenitic Stainless Steel. , 2020, , 670-677.		0

#	ARTICLE	IF	CITATIONS
19	An Engine Mechanism Dynamic Analysis by Considering the Kinematic Elements as Deformable Ones. , 2020, , 15-25.		0
20	Experimental Stand to Evaluate Engine Mass Air Flow (MAF) Sensor. , 2020, , 26-30.		0
21	Computer-Assisted Learning Used to Overconstrained Mechanism's Mobility. Mechanisms and Machine Science, 2020, , 519-527.	0.5	0
22	Modeling of Dynamic Behavior of a Spur Gear. , 2020, , 559-564.		0
23	Design and kinematics of a new leg exoskeleton for human motion assistance. Mechanisms and Machine Science, 2019, , 165-174.	0.5	5
24	Static and Dynamic Analysis of Osteoarthritic and Orthotic Human Knee. Journal of Bionic Engineering, 2019, 16, 514-525.	5.0	23
25	Focusing device based on overconstrained mechanism. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012004.	0.6	0
26	Vehicle dynamics influence on traffic safety in case of a certain route deceleration. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012056.	0.6	0
27	Computation of a torsion spring stabilizer bar rigidity and fatigue resistance. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012013.	0.6	1
28	Surface roughness measuring in case of electro-erosion processed work pieces. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012023.	0.6	1
29	Vibrations influence on the operation of gears. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012037.	0.6	1
30	Research about the quality of the surface after turning out of duralumin alloy. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012066.	0.6	0
31	Application of thermogravimetric analysis for thermal characterization of walnut oil and biodiesel. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012075.	0.6	0
32	Dynamic Analysis of a Human Ankle Joint Prosthesis. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012077.	0.6	1
33	Focusing Device Based on Overconstrained Mechanism. IOP Conference Series: Materials Science and Engineering, 2019, 568, 012085.	0.6	0
34	Dynamic Models for Analyzing a Self-propelled Vehicle for People with Locomotor Disabilities. Proceedings in Automotive Engineering, 2019, , 667-675.	0.1	1
35	The Monitoring of the Submarine Effect in Frontal Collisions, at Different Impact Speeds and for the Driver's Out of Position Instances. Proceedings in Automotive Engineering, 2019, , 799-807.	0.1	1
36	Characterization of Sunflower Oil Biodiesel as Alternative for Diesel Fuel. Proceedings in Automotive Engineering, 2019, , 172-180.	0.1	11

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37	Numerical Simulation of a Leg Exoskeleton for Human Motion Assistance. Mechanisms and Machine Science, 2019, , 101-108.	0.5	0
38	Dynamic Analysis of a Human Ankle Joint Prosthesis. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2019, Volume XXIX (XIX), 2019/2, .	0.1	0
39	Vibrations influence on the operation of gears. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2019, Volume XXIX (XIX), 2019/1, .	0.1	0
40	Surface roughness measuring in case of electro-erosion processed work pieces. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2019, Volume XXIX (XIX), 2019/1, .	0.1	0
41	Numerical Simulations and Experimental Human Gait Analysis Using Wearable Sensors. Mechanisms and Machine Science, 2018, , 289-304.	0.5	19
42	Experimental Validation of an Exoskeleton for Motion Assistance. Applied Mechanics and Materials, 2018, 880, 111-117.	0.2	0
43	â€œIn vitroâ€œ Implantation Technique Based on 3D Printed Prosthetic Prototypes. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012060.	0.6	1
44	Motion assistance with an exoskeleton for stair climb. , 2018, , .		2
45	Experimental Human Walking and Virtual Simulation of Rehabilitation on Plane and Inclined Treadmill. Springer Proceedings in Physics, 2018, , 149-155.	0.2	7
46	Experimental Characterization of Human Walking on Stairs Applied to Humanoid Dynamics. Advances in Intelligent Systems and Computing, 2017, , 293-301.	0.6	18
47	Experimental and theoretical study of friction torque from radial ball bearings. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012048.	0.6	8
48	Kinematic and Dynamic Study of a Mechanism for a Vehicle Front and Rear Stabilizer Bars. , 2017, , 161-169.		2
49	Design and evaluation of a new exoskeleton for gait rehabilitation. Mechanical Sciences, 2017, 8, 307-321.	1.0	39
50	Design of a Wheelchair Intended to Humans with Locomotors Disabilities. Applied Mechanics and Materials, 2016, 822, 293-298.	0.2	0
51	Vehicle Steering Mechanism Elastodynamic Analysis. Applied Mechanics and Materials, 2016, 823, 241-246.	0.2	1
52	Car Jack Based on 6R Overconstrained Mechanism. Applied Mechanics and Materials, 2016, 822, 12-17.	0.2	1
53	The Modal Analysis for the Helicoidally Spring of the Macpherson Automotive Suspension. Applied Mechanics and Materials, 2016, 822, 83-88.	0.2	0
54	Design of a Transmission for Wheelchairs Intended to Humans with Locomotors Disabilities. Applied Mechanics and Materials, 2016, 822, 60-67.	0.2	0

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55	Development of a Three-Dimensional Finite Element Knee Prosthesis Model. Applied Mechanics and Materials, 2016, 822, 150-155.	0.2	1
56	Motion Analysis of a Robotic Wheelchair. Advances in Intelligent Systems and Computing, 2016, , 471-479.	0.6	3
57	Motion Evaluation Of A Wheelchair Prototype For Disabled People. ACTA Universitatis Cibiniensis, 2015, 67, 44-50.	0.1	0
58	Design and Motion Analysis of a Powered Wheelchair. Applied Mechanics and Materials, 2015, 772, 613-620.	0.2	7
59	Design And Structural Analysis Of A Powered Wheelchair Transmission. ACTA Universitatis Cibiniensis, 2015, 67, 37-43.	0.1	2
60	Dynamic Analysis of an Exoskeleton New Ankle Joint Mechanism. Mechanisms and Machine Science, 2015, , 709-717.	0.5	23
61	Dynamic Modelling of a Four Legged Robot. Mechanisms and Machine Science, 2015, , 147-155.	0.5	0
62	MOTION STUDY OF A WHEELCHAIR PROTOTYPE FOR DISABLED PEOPLE. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2015, XXIV (XIV), 2015/1, .	0.1	0
63	DESIGN, KINEMATIC AND STRUCTURAL ANALYSIS OF A WHEELCHAIR TRANSMISSION. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2015, XXIV (XIV), 2015/2, .	0.1	0
64	MOTION STUDY OF A WHEELCHAIR PROTOTYPE FOR DISABLED PEOPLE. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2015, XXIV (XIV), 2015/1, .	0.1	0
65	DESIGN, KINEMATIC AND STRUCTURAL ANALYSIS OF A WHEELCHAIR TRANSMISSION. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2015, XXIV (XIV), 2015/2, .	0.1	0
66	Design and Simulation of a Mechanism for Human Leg Motion Assistance. Advanced Materials Research, 2014, 1036, 811-816.	0.3	5
67	Determining the Design Specifications for Mechanical Polyarticulated System Compatible with Minimally Invasive Surgery. Mechanisms and Machine Science, 2013, , 367-374.	0.5	0
68	Structural Design and Kinematics Study of a Mechanism for Quadruped Walking. Mechanisms and Machine Science, 2013, , 441-449.	0.5	0
69	Dynamic Optimization of a Plane Manipulator. Advanced Materials Research, 2012, 463-464, 1006-1010.	0.3	0
70	Dynamic Modelling and Simulation of an Auto Vehicle Steering Mechanism Considering its Elements as Flexible. Applied Mechanics and Materials, 2012, 245, 150-155.	0.2	3
71	Study upon the Dynamic Answer of Plane Manipulators. Advanced Materials Research, 2012, 463-464, 1304-1308.	0.3	1
72	Structure and Kinematics of Mechanisms for Position and Control from Farming Machine. Advanced Materials Research, 0, 463-464, 1021-1024.	0.3	0

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73	Design Considerations Regarding a New Knee Orthosis. Applied Mechanics and Materials, 0, 162, 276-285.	0.2	0
74	Design and Simulation of a Single DOF Human-Like Leg Mechanism. Applied Mechanics and Materials, 0, 332, 491-496.	0.2	16
75	New Assistive Device for People with Motor Disabilities. Applied Mechanics and Materials, 0, 772, 574-579.	0.2	15
76	Experimental Measurements of the Human Knee Flexion Angle during Squat Exercises. Applied Mechanics and Materials, 0, 823, 113-118.	0.2	0
77	Design of a Test Rig for Vehicle Stabilizer Bar Fatigue Study. Applied Mechanics and Materials, 0, 880, 226-231.	0.2	2
78	Experimental Investigations Concerning Friction from Threaded Assemblies. Applied Mechanics and Materials, 0, 880, 33-38.	0.2	1
79	Influence of Gates on Quality Parameters for a Joystick Handler. Materials Science Forum, 0, 957, 399-408.	0.3	0
80	Oxygen Sensor Testing for Automotive Applications. Applied Mechanics and Materials, 0, 896, 249-254.	0.2	2
81	Design, Manufacture and Testing of a S Type Force Transducer. Applied Mechanics and Materials, 0, 896, 255-262.	0.2	2
82	Considerations on Single and Multiple Nests Molding Injection. Applied Mechanics and Materials, 0, 896, 286-292.	0.2	0
83	About the Static Mechanical Properties of Epoxy/Hemp Composites. Applied Mechanics and Materials, 0, 896, 321-326.	0.2	0
84	Mechanical properties determination for a hybrid sandwich bar reinforced with steel wire mesh. IOP Conference Series: Materials Science and Engineering, 0, 997, 012030.	0.6	0