

Michele G Antonelli

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

227
citations

1040056

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21
all docs

21
docs citations

21
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modelling and experimental validation of a McKibben pneumatic muscle actuator. <i>Journal of Intelligent Material Systems and Structures</i> , 2017, 28, 2737-2748.	2.5	36
2	Autonomous robot for cleaning photovoltaic panels in desert zones. <i>Mechatronics</i> , 2020, 68, 102372.	3.3	27
3	Use of MMG Signals for the Control of Powered Orthotic Devices: Development of a Rectus Femoris Measurement Protocol. <i>Assistive Technology</i> , 2009, 21, 1-12.	2.0	23
4	Experimental and numerical characterization of a polymeric Hopkinson bar by DTMA. <i>International Journal of Impact Engineering</i> , 2017, 103, 50-63.	5.0	23
5	Development of an Active Exoskeleton for Assisting Back Movements in Lifting Weights. <i>International Journal of Mechanical Engineering and Robotics Research</i> , 2018, 7, 353-360.	1.0	20
6	Development of a Straight Fibers Pneumatic Muscle. <i>International Journal of Automation Technology</i> , 2018, 12, 413-423.	1.0	15
7	Development and testing of a grasper for NOTES powered by variable stiffness pneumatic actuation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1796.	2.3	12
8	Characterization and analytical parametrization of composite in cellulose fibre and PVA matrix. <i>Composites Part B: Engineering</i> , 2019, 172, 496-505.	12.0	10
9	Biomechanical Design and Prototyping of a Powered Ankle-Foot Prosthesis. <i>Materials</i> , 2020, 13, 5806.	2.9	10
10	Automatic test equipment for avionics Electro-Mechanical Actuators (EMAs). <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 57, 71-84.	5.0	9
11	Design Methodology for a Novel Bending Pneumatic Soft Actuator for Kinematically Mirroring the Shape of Objects. <i>Actuators</i> , 2020, 9, 113.	2.3	8
12	Modeling-Based EMG Signal (MBES) Classifier for Robotic Remote-Control Purposes. <i>Actuators</i> , 2022, 11, 65.	2.3	8
13	Development of a pneumatic soft actuator as a hand finger for a collaborative robot. , 2018, , .		5
14	Powered off-road wheelchair for the transportation of tetraplegics along mountain trails. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 14, 172-181.	2.2	5
15	Development of an Automated System for the Selective Harvesting of Radicchio. <i>International Journal of Automation Technology</i> , 2017, 11, 415-424.	1.0	5
16	A Procedure for the Fatigue Life Prediction of Straight Fibers Pneumatic Muscles. <i>Actuators</i> , 2021, 10, 300.	2.3	5
17	Additive Manufacturing Applications on Flexible Actuators for Active Orthoses and Medical Devices. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-11.	1.9	2
18	A new brace for the treatment of scoliosis. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
19	Experimental and Numerical Analysis of Pressure Waves Propagation in a Viscoelastic Hopkinson Bar. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 259-267.	0.5	1
20	Dynamic Testing and Constitutive Modelling of NBR Rubbers. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 187-193.	0.5	1
21	Development of a Novel Pneumatic Oscillator for the Tissue Paper Industry. Machines, 2021, 9, 261.	2.2	1