

# Daniele Cafolla

## List of Publications by Year in descending order

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49  
papers

531  
citations

623734

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713466

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g-index

61  
all docs

61  
docs citations

61  
times ranked

416  
citing authors

#	ARTICLE	IF	CITATIONS
1	CUBE, a Cable-driven Device for Limb Rehabilitation. Journal of Bionic Engineering, 2019, 16, 492-502.	5.0	64
2	Design and test of a gripper prototype for horticulture products. Robotics and Computer-Integrated Manufacturing, 2017, 44, 266-275.	9.9	44
3	Design of a Two-DOFs Driving Mechanism for a Motion-Assisted Finger Exoskeleton. Applied Sciences (Switzerland), 2020, 10, 2619.	2.5	31
4	An experimental characterization of human torso motion. Frontiers of Mechanical Engineering, 2015, 10, 311-325.	4.3	29
5	Design and Experiments of a Novel Humanoid Robot with Parallel Architectures. Robotics, 2018, 7, 79.	3.5	27
6	Test-Retest, Inter-Rater and Intra-Rater Reliability for Spatiotemporal Gait Parameters Using SANE (an) Tj ETQqO 0 0,rgBT /Overlock 10 TF	2.5	26
7	An experimental validation of a novel humanoid torso. Robotics and Autonomous Systems, 2017, 91, 299-313.	5.1	20
8	Design and Simulation of a Cable-Driven Vertebra-Based Humanoid Torso. International Journal of Humanoid Robotics, 2016, 13, 1650015.	1.1	19
9	HeritageBot platform for service in Cultural Heritage frames. International Journal of Advanced Robotic Systems, 2018, 15, 172988141879069.	2.1	19
10	Static Balancing of Wheeled-legged Hexapod Robots. Robotics, 2020, 9, 23.	3.5	18
11	Assessing Stiffness, Joint Torque and ROM for Paretic and Non-Paretic Lower Limbs during the Subacute Phase of Stroke Using Lokomat Tools. Applied Sciences (Switzerland), 2020, 10, 6168.	2.5	16
12	An Autotuning Cable-Driven Device for Home Rehabilitation. Journal of Healthcare Engineering, 2021, 2021, 1-15.	1.9	16
13	Design of arm exercises for rehabilitation assistance. Journal of Engineering Research, 2020, 8, 203-218.	0.7	16
14	NURSE-2 DoF Device for Arm Motion Guidance: Kinematic, Dynamic, and FEM Analysis. Applied Sciences (Switzerland), 2020, 10, 2139.	2.5	15
15	A Study of Feasibility of a Human Finger Exoskeleton. Studies in Computational Intelligence, 2014, , 355-364.	0.9	13
16	LARMbot: A New Humanoid Robot with Parallel Mechanisms. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2016, , 275-283.	0.6	12
17	Design and Simulation of Humanoid Spine. Mechanisms and Machine Science, 2015, , 585-593.	0.5	12
18	HeritageBot Service Robot assisting in Cultural Heritage. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
19	Experimental Validation of HeritageBot III, a Robotic Platform for Cultural Heritage. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 223-237.	3.4	8
20	A Smart Stent for Monitoring Eventual Restenosis: Computational Fluid Dynamic and Finite Element Analysis in Descending Thoracic Aorta. Machines, 2020, 8, 81.	2.2	7
21	Kinematic Modelling and Motion Analysis of a Humanoid Torso Mechanism. Applied Sciences (Switzerland), 2021, 11, 2607.	2.5	7
22	User-Tailored Orthosis Design for 3D Printing with PLACTIVE: A Quick Methodology. Crystals, 2021, 11, 561.	2.2	7
23	Design of CUBE, a Cable-Driven Device for Upper and Lower Limb Exercising. Mechanisms and Machine Science, 2019, , 255-263.	0.5	7
24	Experimental Characterization of NURSE, a Device for Arm Motion Guidance. Journal of Healthcare Engineering, 2018, 2018, 1-15.	1.9	6
25	How to Use 3D Printing for Feasibility Check of Mechanism Design. Advances in Intelligent Systems and Computing, 2016, , 307-315.	0.6	6
26	Characteristics and Performance of CAUTO (CAssino hUmanoid TORso) Prototype. Inventions, 2017, 2, 17.	2.5	5
27	Design and Construction of a Demonstrative HeritageBot Platform. Mechanisms and Machine Science, 2018, , 355-362.	0.5	5
28	A Bioinspired Humanoid Foot Mechanism. Applied Sciences (Switzerland), 2021, 11, 1686.	2.5	5
29	Experimental characterization of assisted human arm exercises. , 2018, , .		4
30	An Experimental Characterization of a Parallel Mechanism for Robotic Legs. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2019, , 18-25.	0.6	4
31	Prototype and Testing of HeritageBot Platform for Service in Cultural Heritage. , 2017, , 103-112.		3
32	A hybrid legged-wheeled obstacle avoidance strategy for service operations. SN Applied Sciences, 2020, 2, 1.	2.9	3
33	Design and Experiences of a Planetary Gear Box for Adaptive Drives. Mechanisms and Machine Science, 2019, , 284-291.	0.5	3
34	Redesign and Construction of a Low-Cost CaPaMan Prototype. Mechanisms and Machine Science, 2019, , 158-165.	0.5	2
35	An Overview of the Ongoing Humanoid Robot Project LARMbot. Lecture Notes in Computer Science, 2016, , 53-64.	1.3	1
36	Experimental Inspiration and Rapid Prototyping of a Novel Humanoid Torso. Mechanisms and Machine Science, 2016, , 65-74.	0.5	1

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37	Balancing of a 3-DOFs Parallel Manipulator. , 2016, , 173-191.		1
38	An Experimental Characterization of Human Knee Joint Motion Capabilities. Mechanisms and Machine Science, 2017, , 411-419.	0.5	1
39	Design of a Finger Exoskeleton for Motion Guidance. Mechanisms and Machine Science, 2019, , 11-18.	0.5	1
40	Subclinical dysphagia in task-specific mouth tremor triggered by drinking. Clinical Neurophysiology, 2019, 130, 1289-1291.	1.5	1
41	Development of LARmBot 2, A Novel Humanoid Robot with Parallel Architectures. Mechanisms and Machine Science, 2019, , 17-24.	0.5	1
42	Design and Preliminary Testing of a Magnetic Spring as an Energy-Storing System for Reduced Power Consumption of a Humanoid Arm. Actuators, 2021, 10, 136.	2.3	1
43	An Implantable Biocompatible Smart Stent for Monitoring Eventual Restenosis. Mechanisms and Machine Science, 2021, , 861-867.	0.5	1
44	A Kinect-Based Portable Automatic Gait Analysis System: An Experimental Validation. Biomedical Journal of Scientific & Technical Research, 2019, 17, .	0.1	1
45	Design and Simulation of Cassino Hexapod II. , 2013, , .		1
46	Experiences for a User-Friendly Operation of Cassino Hexapod III. Mechanisms and Machine Science, 2019, , 205-213.	0.5	0
47	A Study of Feasibility for a Design of a Metamorphic Artificial Hand. Mechanisms and Machine Science, 2019, , 283-290.	0.5	0
48	Design Issues for a Walking-Flying Robot. Lecture Notes in Mechanical Engineering, 2021, , 267-277.	0.4	0
49	Operation Safety of a 2-DoF Planar Mechanism for Arm Rehabilitation. Inventions, 2021, 6, 85.	2.5	0