

# Giuseppe Quaglia

## List of Publications by Year in descending order

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26  
papers

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citations

1040056

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940533

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33  
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33  
docs citations

33  
times ranked

174  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Robots, Perception, and Tasks in Precision Agriculture. <i>Applied Mechanics</i> , 2022, 3, 830-854.	1.5	45
2	Design of a self-leveling cam mechanism for a stair climbing wheelchair. <i>Mechanism and Machine Theory</i> , 2017, 112, 84-104.	4.5	40
3	Design of a UGV Powered by Solar Energy for Precision Agriculture. <i>Robotics</i> , 2020, 9, 13.	3.5	39
4	The Design of a New Manual Wheelchair for Sport. <i>Machines</i> , 2019, 7, 31.	2.2	17
5	Marvin: An Innovative Omni-Directional Robotic Assistant for Domestic Environments. <i>Sensors</i> , 2022, 22, 5261.	3.8	16
6	Design of the positioning mechanism of an unmanned ground vehicle for precision agriculture. <i>Mechanisms and Machine Science</i> , 2019, , 3531-3540.	0.5	14
7	Production procedures and mechanical behaviour of interlocking stabilized compressed earth blocks (ISCEBs) manufactured using float ram 1.0 press. <i>Engineering Solid Mechanics</i> , 2018, , 89-104.	1.2	12
8	Kinematic Modeling and Motion Planning of the Mobile Manipulator Agri.Q for Precision Agriculture. <i>Machines</i> , 2022, 10, 321.	2.2	11
9	Human powered press for producing straw bales for use in construction during post-emergency conditions. <i>Biosystems Engineering</i> , 2016, 150, 170-181.	4.3	10
10	On the Suspension Design of Paquitop, a Novel Service Robot for Home Assistance Applications. <i>Machines</i> , 2021, 9, 52.	2.2	9
11	Paquitop.arm, a Mobile Manipulator for Assessing Emerging Challenges in the COVID-19 Pandemic Scenario. <i>Robotics</i> , 2021, 10, 102.	3.5	8
12	Design of a Mechanism with Embedded Suspension to Reconfigure the Agri_q Locomotion Layout. <i>Robotics</i> , 2021, 10, 15.	3.5	7
13	Prototyping of manual wheelchair with alternative propulsion system. <i>Disability and Rehabilitation: Assistive Technology</i> , 2020, 15, 945-951.	2.2	6
14	Data-Driven Analysis of Locomotion for a Class of Articulated Mobile Robots. <i>Journal of Mechanisms and Robotics</i> , 2021, 13, .	2.2	6
15	Agri.q: A Sustainable Rover for Precision Agriculture. <i>Springer Proceedings in Energy</i> , 2020, , 81-91.	0.3	6
16	An Estimator for the Kinematic Behaviour of a Mobile Robot Subject to Large Lateral Slip. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1594.	2.5	5
17	Static balancing of planar articulated robots. <i>Frontiers of Mechanical Engineering</i> , 2015, 10, 326-343.	4.3	4
18	Concept and Design of Float-Ram: A New Human Powered Press for Compressed Earth Blocks. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Low-Cost Tracking System for Mobile Robots. <i>Machines</i> , 2020, 8, 29.	2.2	3
20	Optimal Positioning of Mobile Manipulators Using Closed Form Inverse Kinematics. <i>Mechanisms and Machine Science</i> , 2022, , 184-191.	0.5	3
21	Rehabilitation Machine for Bariatric Individuals. <i>Machines</i> , 2020, 8, 45.	2.2	2
22	Handwheelchair.q: Innovative Manual Wheelchair for Sport. <i>Mechanisms and Machine Science</i> , 2019, , 370-378.	0.5	2
23	Handwheelchair.q: New Prototype of Manual Wheelchair for Everyday Life. <i>Mechanisms and Machine Science</i> , 2021, , 111-119.	0.5	2
24	Float-Ram: A Sustainable Machine for Buildings Made by Compressed Earth Blocks. <i>Mechanisms and Machine Science</i> , 2022, , 99-109.	0.5	1
25	Functional Analysis of an Animal-Drawn Reaper-Binder. <i>Mechanisms and Machine Science</i> , 2019, , 1197-1206.	0.5	1
26	Condition-Based Monitoring on High-Precision Gearbox for Robotic Applications. <i>Shock and Vibration</i> , 2022, 2022, 1-15.	0.6	1