

# Silvio Cocuzza

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

367  
citations

840776

11  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Issues and solutions for testing free-flying robots. <i>Acta Astronautica</i> , 2007, 60, 957-965.	3.2	51
2	Least-Squares-Based Reaction Control of Space Manipulators. <i>Journal of Guidance, Control, and Dynamics</i> , 2012, 35, 976-986.	2.8	51
3	Free-Flying Robot Tested on Parabolic Flights: Kinematic Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2005, 28, 623-630.	2.8	45
4	Novel reaction control techniques for redundant space manipulators: Theory and simulated microgravity tests. <i>Acta Astronautica</i> , 2011, 68, 1712-1721.	3.2	34
5	Electroactive Elastomeric Actuators for the Implementation of a Deformable Spherical Rover. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011, 16, 50-57.	5.8	30
6	Modeling and Identification of an Industrial Robot with a Selective Modal Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4619.	2.5	29
7	Reaction torque control of redundant space robotic systems for orbital maintenance and simulated microgravity tests. <i>Acta Astronautica</i> , 2010, 67, 285-295.	3.2	18
8	Analysis of the Compliance Properties of an Industrial Robot with the Mozzi Axis Approach. <i>Robotics</i> , 2019, 8, 80.	3.5	18
9	Globally Optimal Inverse Kinematics Method for a Redundant Robot Manipulator with Linear and Nonlinear Constraints. <i>Robotics</i> , 2020, 9, 61.	3.5	16
10	Modified A-Star (A*) Approach to Plan the Motion of a Quadrotor UAV in Three-Dimensional Obstacle-Cluttered Environment. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5791.	2.5	14
11	A Point-Wise Model of Adhesion Suitable for Real-Time Applications of Bio-Inspired Climbing Robots. <i>Journal of Bionic Engineering</i> , 2008, 5, 98-105.	5.0	13
12	Finite-Horizon Kinetic Energy Optimization of a Redundant Space Manipulator. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2346.	2.5	11
13	Rolling dielectric elastomer actuator with bulged cylindrical shape. <i>Smart Materials and Structures</i> , 2010, 19, 127001.	3.5	8
14	Vibration-Based Locomotion of an Amphibious Robot. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2212.	2.5	8
15	Very fast photon counting photometers for astronomical applications: from QuantEYE to AquEYE. , 2007, , .		6
16	Novel Automated Production System for the Footwear Industry. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 542-549.	0.7	4
17	Variable Stiffness Mechanism for the Reduction of Cutting Forces in Robotic Deburring. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2883.	2.5	4
18	Dynamic interaction between robot and UAV in aerial manipulation. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	First engineering framework for the out-of-plane robotic shaping of thin rheological objects. Robotics and Computer-Integrated Manufacturing, 2018, 53, 108-121.	9.9	2
20	Modeling and Identification of Vibrations in a UAV for Aerial Manipulation. Mechanisms and Machine Science, 2021, , 182-190.	0.5	2