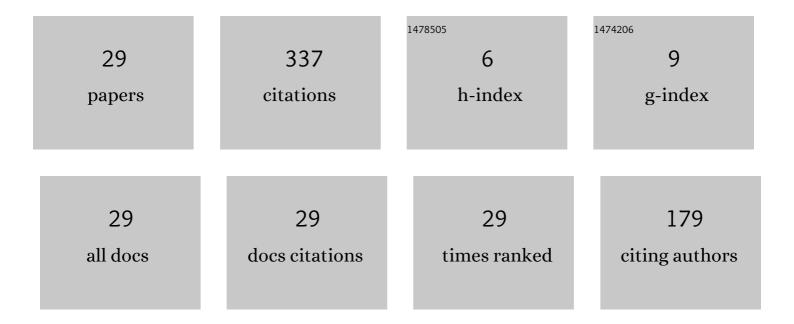
Marco De Stefano

List of Publications by Year in descending order

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Version: 2024-02-01



#	Article	IF	CITATIONS
1	A Detumbling Strategy for an Orbital Manipulator in the Post-Grasp Phase. , 2022, , .		0
2	A Relative Dynamics Formulation for Hardware- in-the-Loop Simulation of On-Orbit Robotic Missions. IEEE Robotics and Automation Letters, 2021, 6, 3569-3576.	5.1	13
3	Stabilization of User-Defined Feedback Controllers in Teleoperation With Passive Coupling Reference. IEEE Robotics and Automation Letters, 2021, 6, 3513-3520.	5.1	5
4	A Compliant Partitioned Shared Control Strategy for an Orbital Robot. IEEE Robotics and Automation Letters, 2021, 6, 7317-7324.	5.1	2
5	Compliant Floating-Base Control of Space Robots. IEEE Robotics and Automation Letters, 2021, 6, 7485-7492.	5.1	6
6	A Passivity-Based Approach for Simulating Satellite Dynamics With Robots: Discrete-Time Integration and Time-Delay Compensation. IEEE Transactions on Robotics, 2020, 36, 189-203.	10.3	24
7	A Geometric Controller for Fully-Actuated Robotic Capture of a Tumbling Target. , 2020, , .		5
8	Visual-Inertial Telepresence for Aerial Manipulation. , 2020, , .		26
9	Output Feedback Stabilization of an Orbital Robot. , 2020, , .		4
10	Inertia-Decoupled Equations for Hardware-in-the-Loop Simulation of an Orbital Robot with External Forces. , 2020, , .		5
11	Assessment of a Supervisory Fault-Hiding Scheme in a Classical Guidance, Navigation and Control Setup: the e.Deorbit mission. , 2019, , .		2
12	Model-based fault diagnosis and tolerant control: the ESA's e.Deorbit mission. , 2019, , .		10
13	Multi-Rate Tracking Control for a Space Robot on a Controlled Satellite: A Passivity-Based Strategy. IEEE Robotics and Automation Letters, 2019, 4, 1319-1326.	5.1	19
14	Time-delay Compensation Using Energy Tank for Satellite Dynamics Robotic Simulators. , 2019, , .		0
15	A Nonlinear Observer for Free-Floating Target Motion using only Pose Measurements. , 2019, , .		10
16	Tracking Control with Robotic Systems for a Moving Target: A Vector Lyapunov Function Approach. IFAC-PapersOnLine, 2018, 51, 471-478.	0.9	0
17	Passive Compliance Control of Aerial Manipulators. , 2018, , .		11

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#	Article	IF	CITATIONS
19	Design and Operational Elements of the Robotic Subsystem for the e.deorbit Debris Removal Mission. Frontiers in Robotics and Al, 2018, 5, 100.	3.2	16
20	Velocity matching compliant control for a space robot during capture of a free-floating target. , 2018, , .		8
21	Tracking Control for the Grasping of a Tumbling Satellite With a Free-Floating Robot. IEEE Robotics and Automation Letters, 2018, 3, 3638-3645.	5.1	35
22	Reproducing physical dynamics with hardware-in-the-loop simulators: A passive and explicit discrete integrator. , 2017, , .		10
23	A passive integration strategy for rendering rotational rigid-body dynamics on a robotic simulator. , 2017, , .		4
24	Dynamics and control of a free-floating space robot in presence of nonzero linear and angular momenta. , 2016, , .		21
25	An optimized passivity-based method for simulating satellite dynamics on a position controlled robot in presence of latencies. , 2016, , .		9
26	Teleoperation for on-orbit servicing missions through the ASTRA geostationary satellite. , 2016, , .		14
27	Increasing the Performance of Torque-based Visual Servoing by applying Time Domain Passivity. IFAC-PapersOnLine, 2015, 48, 13-18.	0.9	1
28	The OOS-SIM: An on-ground simulation facility for on-orbit servicing robotic operations. , 2015, , .		52
29	Passivity of virtual free-floating dynamics rendered on robotic facilities. , 2015, , .		14