

Marco De Stefano

List of Publications by Year in descending order

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citing authors

#	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
18	An Energy-Based Approach for the Multi-Rate Control of a Manipulator on an Actuated Base. , 2018, , .		11

#	ARTICLE	IF	CITATIONS
19	Design and Operational Elements of the Robotic Subsystem for the e.deorbit Debris Removal Mission. <i>Frontiers in Robotics and AI</i> , 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. <i>IEEE Robotics and Automation Letters</i> , 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. <i>IFAC-PapersOnLine</i> , 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