Mario Selvaggio

List of Publications by Year
in descending order

34 papers	690 citations	840776 11 h-index	1058476 14 g-index
34 all docs	34 docs citations	34 times ranked	591 citing authors

#	Article	IF	Citations
1	A Shared-Control Teleoperation Architecture for Nonprehensile Object Transportation. IEEE Transactions on Robotics, 2022, 38, 569-583.	10.3	22
2	Nonprehensile Object Transportation with a Legged Manipulator. , 2022, , .		9
3	Recurrent fuzzy wavelet neural network variable impedance control of robotic manipulators with fuzzy gain dynamic surface in an unknown varied environment. Fuzzy Sets and Systems, 2021, 416, 1-26.	2.7	22
4	Towards the development of a cyber-physical measurement system (CPMS): case study of a bioinspired soft growing robot for remote measurement and monitoring applications. Acta IMEKO (2012), 2021, 10, 104.	0.7	15
5	Design of a Soft Growing Robot as a Practical Example of Cyber–Physical Measurement Systems. , 2021, , .		7
6	Autonomy in Physical Human-Robot Interaction: A Brief Survey. IEEE Robotics and Automation Letters, 2021, 6, 7989-7996.	5.1	73
7	A hardware-in-the-loop simulator for physical human-aerial manipulator cooperation. , 2021, , .		7
8	A Set-Theoretic Approach to Multi-Task Execution and Prioritization. , 2020, , .		8
9	An obstacle-interaction planning method for navigation of actuated vine robots. , 2020, , .		19
10	The MUSHA Hand II: A Multi-Functional Hand for Robot-Assisted Laparoscopic Surgery. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	5.8	10
11	Using photogrammetric 3D body reconstruction for the design of patient–tailored assistive devices. , 2019, , .		6
12	Passive Task-Prioritized Shared-Control Teleoperation with Haptic Guidance. , 2019, , .		30
13	A Portable da Vinci Simulator in Virtual Reality. , 2019, , .		9
14	The MUSHA underactuated hand for robot–aided minimally invasive surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2019, 15, e1981.	2.3	13
15	Haptic-guided shared control for needle grasping optimization in minimally invasive robotic surgery. , 2019, , .		26
16	Vision-based Virtual Fixtures Generation for Robotic-Assisted Polyp Dissection Procedures. , 2019, , .		10
17	Robust Dynamic Surface Control of da Vinci Robot Manipulator Considering Uncertainties: A Fuzzy Based Approach. , 2019, , .		1
18	A Digital Photogrammetric Method to Enhance the Fabrication of Custom-Made Spinal Orthoses. Journal of Prosthetics and Orthotics, 2019, 31, 133-139.	0.4	12

#	Article	IF	Citations
19	Dexterous Grasping by Manipulability Selection for Mobile Manipulator With Visual Guidance. IEEE Transactions on Industrial Informatics, 2019, 15, 1202-1210.	11.3	81
20	Design and development of a novel body scanning system for healthcare applications. International Journal on Interactive Design and Manufacturing, 2018, 12, 611-620.	2.2	34
21	A V-REP Simulator for the da Vinci Research Kit Robotic Platform. , 2018, , .		38
22	A New Laparoscopic Tool With In-Hand Rolling Capabilities for Needle Reorientation. IEEE Robotics and Automation Letters, 2018, 3, 2354-2361.	5.1	19
23	Passive Virtual Fixtures Adaptation in Minimally Invasive Robotic Surgery. IEEE Robotics and Automation Letters, 2018, 3, 3129-3136.	5.1	44
24	Haptic-Based Shared-Control Methods for a Dual-Arm System. IEEE Robotics and Automation Letters, 2018, 3, 4249-4256.	5.1	39
25	Conceptual Design and Control Strategy of a Robotic Cell for Precision Assembly in Radar Antenna Systems. Procedia Manufacturing, 2017, 11, 397-404.	1.9	6
26	ELIGERE: A fuzzy AHP distributed software platform for group decision making in engineering design. , 2017, , .		15
27	Towards a self-collision aware teleoperation framework for compound robots. , 2017, , .		5
28	Enhancing bilateral teleoperation using camera-based online virtual fixtures generation. , 2016, , .		27
29	Enhancing airplane boarding procedure using vision based passenger classification. , 2016, , .		1
30	A framework of teleoperated and stereo vision guided mobile manipulation for industrial automation. , 2016, , .		13
31	Vision based virtual fixture generation for teleoperated robotic manipulation. , 2016, , .		16
32	Robust object localization based on error patterns learning for dexterous mobile manipulation. , 2016, , .		1
33	A fast airplane boarding strategy using online seat assignment based on passenger classification. Journal of Air Transport Management, 2016, 53, 140-149.	4.5	52
34	INBODY: Instant Photogrammetric 3D Body Scanner. , 0, , .		0