Luca Muratore

List of Publications by Year
in descending order

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33	752	1163117 8	1058476 14
papers	citations	h-index	g-index

34	34	34	563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toward a Plug-and-Work Reconfigurable Cobot. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3219-3231.	5.8	11
2	TelePhysicalOperation: Remote Robot Control Based on a Virtual â€œMarionetteâ€•Type Interaction Interface. IEEE Robotics and Automation Letters, 2022, 7, 2479-2486.	5.1	6
3	Autonomous Obstacle Crossing Strategies for the Hybrid Wheeled-Legged Robot Centauro. Frontiers in Robotics and AI, 2021, 8, 721001.	3.2	2
4	Towards an Open-Source Hardware Agnostic Framework for Robotic End-Effectors Control. , 2021, , .		2
5	Towards a Generic Grasp Planning Pipeline using End-Effector Specific Primitive Grasping Actions. , 2021, , .		2
6	Remote mobile manipulation with the centauro robot: Fullâ€body telepresence and autonomous operator assistance. Journal of Field Robotics, 2020, 37, 889-919.	6.0	48
7	The XBot Real-Time Software Framework for Robotics: From the Developer to the User Perspective. IEEE Robotics and Automation Magazine, 2020, 27, 133-143.	2.0	23
8	Human inspired fall prediction method for humanoid robots. Robotics and Autonomous Systems, 2019, 121, 103257.	5.1	9
9	CartesI/O: A ROS Based Real-Time Capable Cartesian Control Framework. , 2019, , .		37
10	Whole-Body Stabilization for Visual-Based Box Lifting with the COMAN+ Robot. , 2019, , .		4
11	Reactive Walking Based on Upper-Body Manipulability: An application to Intention Detection and Reaction. , 2019, , .		5
12	A Self-Modulated Impedance Multimodal Interaction Framework for Human-Robot Collaboration. , 2019, , .		5
13	A Build System for Software Development in Robotic Academic Collaborative Environments. International Journal of Semantic Computing, 2019, 13, 185-205.	0.5	3
14	CENTAURO: A Hybrid Locomotion and High Power Resilient Manipulation Platform. IEEE Robotics and Automation Letters, 2019, 4, 1595-1602.	5.1	120
15	Flexible Disaster Response of Tomorrow: Final Presentation and Evaluation of the CENTAURO System. IEEE Robotics and Automation Magazine, 2019, 26, 59-72.	2.0	49
16	A mixed real-time robot hardware abstraction layer (R-HAL). World Scientific Encyclopedia With Semantic Computing and Robotic Intelligence, 2019, , 153-159.	0.0	0
17	WALK-MAN Humanoid Platform. Springer Tracts in Advanced Robotics, 2018, , 495-548.	0.4	3
18	Towards a Robot Hardware Abstraction Layer (R-Hal) Leveraging the XBot Software Framework. , 2018, , .		8

#	Article	IF	Citations
19	A Build System for Software Development in Robotic Academic Collaborative Environments. , 2018, , .		0
20	Translating Videos to Commands for Robotic Manipulation with Deep Recurrent Neural Networks. , 2018, , .		32
21	A Self-Tuning Impedance Controller for Autonomous Robotic Manipulation. , 2018, , .		18
22	XBotCloud: A Scalable Cloud Computing Infrastructure for XBot Powered Robots. , 2018, , .		7
23	Enhanced Tele-interaction in Unknown Environments Using Semi-Autonomous Motion and Impedance Regulation Principles. , 2018, , .		7
24	Multi-Priority Cartesian Impedance Control Based on Quadratic Programming Optimization. , 2018, , .		24
25	A Whole Body Attitude Stabilizer for Hybrid Wheeled-Legged Quadruped Robots. , 2018, , .		8
26	A mixed real-time robot hardware abstraction layer (R-HAL). Encyclopedia With Semantic Computing and Robotic Intelligence, 2018, 02, 1850010.	0.2	4
27	Humanoids at Work: The WALK-MAN Robot in a Postearthquake Scenario. IEEE Robotics and Automation Magazine, 2018, 25, 8-22.	2.0	26
28	XBotCore: A Real-Time Cross-Robot Software Platform. , 2017, , .		57
29	WALKâ€MAN: A Highâ€Performance Humanoid Platform for Realistic Environments. Journal of Field Robotics, 2017, 34, 1225-1259.	6.0	175
30	Development of a human size and strength compliant bi-manual platform for realistic heavy manipulation tasks. , 2017, , .		37
31	The Walk-Man Robot Software Architecture. Frontiers in Robotics and AI, 2016, 3, .	3.2	7
32	An affordance-based pilot interface for high-level control of humanoid robots in supervised autonomy. , 2016, , .		13
33	XBot: A Cross-Robot Software Framework for Real-Time Control. , 0, , .		0