

# Massimo Vespignani

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

700  
citations

1464605

7  
h-index

1762888

8  
g-index

19  
all docs

19  
docs citations

19  
times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinodynamic planning for spherical tensegrity locomotion with effective gait primitives. International Journal of Robotics Research, 2019, 38, 1442-1462.	5.8	10
2	Oncilla Robot: A Versatile Open-Source Quadruped Research Robot With Compliant Pantograph Legs. Frontiers in Robotics and AI, 2018, 5, 67.	2.0	34
3	On designing an active tail for legged robots: simplifying control via decoupling of control objectives. Industrial Robot, 2016, 43, 338-346.	1.2	19
4	Natural user interface for lighting control: Case study on desktop lighting using modular robots. , 2016, , .		3
5	Compliant snake robot locomotion on horizontal pipes. , 2015, , .		13
6	Where to place cameras on a snake robot: Focus on camera trajectory and motion blur. , 2015, , .		12
7	Role of compliance on the locomotion of a reconfigurable modular snake robot. , 2015, , .		11
8	ON DESIGNING AN ACTIVE TAIL FOR BODY-PITCH CONTROL IN LEGGED ROBOTS VIA DECOUPLING OF CONTROL OBJECTIVES. , 2015, , .		2
9	Rich periodic motor skills on humanoid robots: Riding the pedal racer. , 2014, , .		7
10	Natural user interface for Roombots. , 2014, , .		5
11	Roombots: A hardware perspective on 3D self-reconfiguration and locomotion with a homogeneous modular robot. Robotics and Autonomous Systems, 2014, 62, 1016-1033.	3.0	97
12	Horse-like walking, trotting, and galloping derived from kinematic Motion Primitives (kMPs) and their application to walk/trot transitions in a compliant quadruped robot. Biological Cybernetics, 2013, 107, 309-320.	0.6	49
13	Gait optimization for roombots modular robots &#x2014; Matching simulation and reality. , 2013, , .		11
14	An experimental study on the role of compliant elements on the locomotion of the self-reconfigurable modular robots Roombots. , 2013, , .		6
15	Collaborative manipulation and transport of passive pieces using the self-reconfigurable modular robots roombots. , 2013, , .		8
16	Towards dynamic trot gait locomotion: Design, control, and experiments with Cheetah-cub, a compliant quadruped robot. International Journal of Robotics Research, 2013, 32, 932-950.	5.8	386
17	Dynamic Characterization and Interaction Control of the CBM-Motus Robot for Upper-Limb Rehabilitation. International Journal of Advanced Robotic Systems, 2013, 10, 374.	1.3	7
18	A mechatronic platform for behavioral analysis on nonhuman primates. Journal of Integrative Neuroscience, 2012, 11, 87-101.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Automatic generation of reduced CPG control networks for locomotion of arbitrary modular robot structures. , 0, , .		8