

# Luca Fiorio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7863021/publications.pdf>

Version: 2024-02-01

15  
papers

194  
citations

1937685

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2053705

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15  
all docs

15  
docs citations

15  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Walking on partial footholds including line contacts with the humanoid robot atlas. , 2016, , .		62
2	The design and validation of the R1 personal humanoid. , 2017, , .		33
3	A Novel Sensorised Insole for Sensing Feet Pressure Distributions. Sensors, 2020, 20, 747.	3.8	23
4	Position and Attitude Control of an Underactuated Flying Humanoid Robot. , 2018, , .		15
5	Modeling, Identification and Control of Model Jet Engines for Jet Powered Robotics. IEEE Robotics and Automation Letters, 2020, 5, 2070-2077.	5.1	12
6	Momentum-Based Extended Kalman Filter for Thrust Estimation on Flying Multibody Robots. IEEE Robotics and Automation Letters, 2022, 7, 526-533.	5.1	10
7	Exploiting global force torque measurements for local compliance estimation in tactile arrays. , 2014, , .		8
8	pnrVSA: human-like actuator with non-linear springs in agonist-antagonist configuration. , 2012, , .		7
9	A parallel kinematic wrist for the R1 humanoid robot. , 2017, , .		7
10	Control of a single Degree of Freedom Noise Rejecting - Variable Impedance Actuator. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 473-478.	0.4	6
11	A parallel kinematic mechanism for the torso of a humanoid robot: Design, construction and validation. , 2017, , .		6
12	On the effects of internal stiction in pnrVIA actuators. , 2013, , .		2
13	Control of a two-DoF manipulator equipped with a pnr-variable stiffness actuator. , 2014, , .		2
14	Modeling and Control of Morphing Covers for the Adaptive Morphology of Humanoid Robots. IEEE Transactions on Robotics, 2022, 38, 3300-3313.	10.3	1
15	Design and Control of a Passive Noise Rejecting Variable Stiffness Actuator. Springer Tracts in Advanced Robotics, 2019, , 235-262.	0.4	0