Florian Loeffl

List of Publications by Year
in descending order

14 papers	114 citations	1937685 4 h-index	2272923 4 g-index
14 all docs	14 docs citations	14 times ranked	124 citing authors

#	Article	IF	Citations
1	Dynamic Locomotion Gaits of a Compliantly Actuated Quadruped With SLIP-Like Articulated Legs Embodied in the Mechanical Design. IEEE Robotics and Automation Letters, 2018, 3, 3908-3915.	5.1	29
2	The DLR C-runner: Concept, design and experiments. , 2016, , .		18
3	Enhancing joint torque control of series elastic actuators with physical damping. , 2017, , .		16
4	Passive Impedance Control of Robots With Viscoelastic Joints Via Inner-Loop Torque Control. IEEE Transactions on Robotics, 2022, 38, 584-598.	10.3	11
5	Optimal and robust walking using intrinsic properties of a series-elastic robot. , 2017, , .		8
6	Joint-Space Impedance Control Using Intrinsic Parameters of Compliant Actuators and Inner Sliding Mode Torque Loop. , 2019, 3, 1-6.		8
7	Efficient and Goal-Directed Oscillations in Articulated Soft Robots: The Point-To-Point Case. IEEE Robotics and Automation Letters, 2021, 6, 2555-2562.	5.1	5
8	Dynamic bipedal walking by controlling only the equilibrium of intrinsic elasticities. , 2016, , .		4
9	Visco-Elastic Structure Preserving Impedance (VESÏ€) Control for Compliantly Actuated Robots. , 2018, , .		4
10	Analyzing the Performance Limits of Articulated Soft Robots Based on the ESPi Framework: Applications to Damping and Impedance Control. IEEE Robotics and Automation Letters, 2021, 6, 7121-7128.	5.1	4
11	A Coordinate-based Approach for Static Balancing and Walking Control of Compliantly Actuated Legged Robots. , 2019, , .		3
12	Structure preserving Multi-Contact Balance Control for Series-Elastic and Visco-Elastic Humanoid Robots. , 2018, , .		2
13	Embedding a Nonlinear Strict Oscillatory Mode into a Segmented Leg. , 2021, , .		2
14	From Space to Earth â€" Relative-CoM-to-Foot (RCF) control yields high contact robustness. , 2021, , .		0