Ayonga Hereid

List of Publications by Year
in descending order

15 papers	572 citations	1307594 7 h-index	1720034 7 g-index
15 all docs	15 docs citations	15 times ranked	369 citing authors

#	Article	IF	Citations
1	Linear Policies are Sufficient to Realize Robust Bipedal Walking on Challenging Terrains. IEEE Robotics and Automation Letters, 2022, 7, 2047-2054.	5.1	9
2	Reinforcement Learning-Based Cascade Motion Policy Design for Robust 3D Bipedal Locomotion. IEEE Access, 2022, 10, 20135-20148.	4.2	10
3	Learning Linear Policies for Robust Bipedal Locomotion on Terrains with Varying Slopes. , 2021, , .		5
4	Robust Feedback Motion Policy Design Using Reinforcement Learning on a 3D Digit Bipedal Robot. , 2021, , .		26
5	Hybrid Zero Dynamics Inspired Feedback Control Policy Design for 3D Bipedal Locomotion using Reinforcement Learning. , 2020, , .		24
6	Velocity Regulation of 3D Bipedal Walking Robots with Uncertain Dynamics Through Adaptive Neural Network Controller. , 2020, , .		5
7	Reinforcement Learning Meets Hybrid Zero Dynamics: A Case Study for RABBIT. , 2019, , .		8
8	Feedback Control of a Cassie Bipedal Robot: Walking, Standing, and Riding a Segway. , 2019, , .		110
9	Dynamic Humanoid Locomotion: A Scalable Formulation for HZD Gait Optimization. IEEE Transactions on Robotics, 2018, 34, 370-387.	10.3	79
10	Feedback Control of an Exoskeleton for Paraplegics: Toward Robustly Stable, Hands-Free Dynamic Walking. IEEE Control Systems, 2018, 38, 61-87.	0.8	72
11	Towards Restoring Locomotion for Paraplegics: Realizing Dynamically Stable Walking on Exoskeletons. , 2018, , .		40
12	Multi-contact bipedal robotic locomotion. Robotica, 2017, 35, 1072-1106.	1.9	15
13	First Steps Towards Translating HZD Control of Bipedal Robots to Decentralized Control of Exoskeletons. IEEE Access, 2017, 5, 9919-9934.	4.2	66
14	FROST*: Fast robot optimization and simulation toolkit. , 2017, , .		73
15	The Ach Library: A New Framework for Real-Time Communication. IEEE Robotics and Automation Magazine, 2015, 22, 76-85.	2.0	30