Jemin Hwangbo

List of Publications by Year
in descending order

17 papers	2,666 citations	933447 10 h-index	1199594 12 g-index
18 all docs	18 docs citations	18 times ranked	1536 citing authors

#	Article	IF	Citations
1	Learning robust perceptive locomotion for quadrupedal robots in the wild. Science Robotics, 2022, 7, eabk2822.	17.6	222
2	Concurrent Training of a Control Policy and a State Estimator for Dynamic and Robust Legged Locomotion. IEEE Robotics and Automation Letters, 2022, 7, 4630-4637.	5.1	38
3	Monte Carlo Tree Search Gait Planner for Non-Gaited Legged System Control. , 2022, , .		5
4	Design of KAIST HOUND, a Quadruped Robot Platform for Fast and Efficient Locomotion with Mixed-Integer Nonlinear Optimization of a Gear Train. , 2022, , .		7
5	Force Control of a Hydraulic Actuator With a Neural Network Inverse Model. IEEE Robotics and Automation Letters, 2021, 6, 2814-2821.	5.1	21
6	Legged Robot State Estimation With Dynamic Contact Event Information. IEEE Robotics and Automation Letters, 2021, 6, 6733-6740.	5.1	17
7	Learning quadrupedal locomotion over challenging terrain. Science Robotics, 2020, 5, .	17.6	432
8	Dynamic Locomotion on Slippery Ground. IEEE Robotics and Automation Letters, 2019, 4, 4170-4176.	5.1	37
9	Learning agile and dynamic motor skills for legged robots. Science Robotics, 2019, 4, .	17.6	664
10	Per-Contact Iteration Method for Solving Contact Dynamics. IEEE Robotics and Automation Letters, 2018, 3, 895-902.	5.1	124
11	Control of a Quadrotor With Reinforcement Learning. IEEE Robotics and Automation Letters, 2017, 2, 2096-2103.	5.1	338
12	Dynamic locomotion and whole-body control for quadrupedal robots. , 2017, , .		67
13	Perception-less terrain adaptation through whole body control and hierarchical optimization. , 2016, , .		89
14	ANYmal - a highly mobile and dynamic quadrupedal robot. , 2016, , .		481
15	Probabilistic foot contact estimation by fusing information from dynamics and differential/forward kinematics. , 2016, , .		31
16	Practice Makes Perfect: An Optimization-Based Approach to Controlling Agile Motions for a Quadruped Robot. IEEE Robotics and Automation Magazine, 2016, 23, 34-43.	2.0	90
17	Policy Learning with an Efficient Black-Box Optimization Algorithm. International Journal of Humanoid Robotics, 2015, 12, 1550029.	1.1	2