Lorenz Wellhausen

List of Publications by Year
in descending order

15 papers	1,149 citations	1040056 9 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	574 citing authors

#	Article	IF	Citations
1	Deep Measurement Updates for Bayes Filters. IEEE Robotics and Automation Letters, 2022, 7, 414-421.	5.1	0
2	Learning robust perceptive locomotion for quadrupedal robots in the wild. Science Robotics, 2022, 7, eabk2822.	17.6	222
3	CERBERUS: Autonomous Legged and Aerial Robotic Exploration in the Tunnel and Urban Circuits of the DARPA Subterranean Challenge. , 2022, 2, 274-324.		36
4	Perceptive wholeâ€body planning for multilegged robots in confined spaces. Journal of Field Robotics, 2021, 38, 68-84.	6.0	30
5	Learning a State Representation and Navigation in Cluttered and Dynamic Environments. IEEE Robotics and Automation Letters, 2021, 6, 5081-5088.	5.1	27
6	Real-time Optimal Navigation Planning Using Learned Motion Costs. , 2021, , .		13
7	Rough Terrain Navigation for Legged Robots using Reachability Planning and Template Learning. , 2021, , .		14
8	Learning quadrupedal locomotion over challenging terrain. Science Robotics, 2020, 5, .	17.6	432
9	Safe Robot Navigation Via Multi-Modal Anomaly Detection. IEEE Robotics and Automation Letters, 2020, 5, 1326-1333.	5.1	42
10	What am I touching? Learning to classify terrain via haptic sensing. , 2019, , .		23
11	Support Surface Estimation for Legged Robots. , 2019, , .		8
12	Where Should I Walk? Predicting Terrain Properties From Images Via Self-Supervised Learning. IEEE Robotics and Automation Letters, 2019, 4, 1509-1516.	5.1	107
13	Haptic Inspection of Planetary Soils With Legged Robots. IEEE Robotics and Automation Letters, 2019, 4, 1626-1632.	5.1	42
14	Walking Posture Adaptation for Legged Robot Navigation in Confined Spaces. IEEE Robotics and Automation Letters, 2019, 4, 2148-2155.	5.1	45
15	Advances in realâ€world applications for legged robots. Journal of Field Robotics, 2018, 35, 1311-1326.	6.0	108