

Lorenz Wellhausen

List of Publications by Year in descending order

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Version: 2024-02-01

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