

Marko Bjelonic

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	CERBERUS: Autonomous Legged and Aerial Robotic Exploration in the Tunnel and Urban Circuits of the DARPA Subterranean Challenge. , 2022, 2, 274-324.		36
2	Design and Motion Planning for a Reconfigurable Robotic Base. IEEE Robotics and Automation Letters, 2022, 7, 9012-9019.	5.1	5
3	Offline motion libraries and online MPC for advanced mobility skills. International Journal of Robotics Research, 2022, 41, 903-924.	8.5	20
4	Perceptive whole-body planning for multilegged robots in confined spaces. Journal of Field Robotics, 2021, 38, 68-84.	6.0	30
5	Whole-Body MPC and Online Gait Sequence Generation for Wheeled-Legged Robots. , 2021, , .		32
6	Perceptive Locomotion in Rough Terrain – Online Foothold Optimization. IEEE Robotics and Automation Letters, 2020, 5, 5370-5376.	5.1	52
7	Trajectory Optimization for Wheeled-Legged Quadrupedal Robots Driving in Challenging Terrain. IEEE Robotics and Automation Letters, 2020, 5, 4172-4179.	5.1	45
8	Rolling in the Deep – Hybrid Locomotion for Wheeled-Legged Robots Using Online Trajectory Optimization. IEEE Robotics and Automation Letters, 2020, 5, 3626-3633.	5.1	69
9	Trajectory Optimization for Wheeled-Legged Quadrupedal Robots Using Linearized ZMP Constraints. IEEE Robotics and Automation Letters, 2019, 4, 1633-1640.	5.1	59
10	Walking Posture Adaptation for Legged Robot Navigation in Confined Spaces. IEEE Robotics and Automation Letters, 2019, 4, 2148-2155.	5.1	45
11	Keep Rollin’ – Whole-Body Motion Control and Planning for Wheeled Quadrupedal Robots. IEEE Robotics and Automation Letters, 2019, 4, 2116-2123.	5.1	116
12	Robust Rough-Terrain Locomotion with a Quadrupedal Robot. , 2018, , .		115
13	Weaver: Hexapod robot for autonomous navigation on unstructured terrain. Journal of Field Robotics, 2018, 35, 1063-1079.	6.0	53