Marko Bjelonic

List of Publications by Year
in descending order

13	677	1040056 9	1372567 10
papers	citations	h-index	g-index

13	13	13	364
all docs	docs citations	times ranked	citing authors

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