

Arne-Christoph Hildebrandt

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

213
citations

1684188

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19
all docs

19
docs citations

19
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Path Planning in Unknown Environments for Bipedal Robots. IEEE Robotics and Automation Letters, 2017, 2, 1856-1863.	5.1	32
2	An Autonomous and Flexible Robotic Framework for Logistics Applications. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 419-431.	3.4	24
3	Vision-Based 3D Modeling of Unknown Dynamic Environments for Real-Time Humanoid Navigation. International Journal of Humanoid Robotics, 2019, 16, 1950002.	1.1	17
4	Real-time pattern generation among obstacles for biped robots. , 2015, , .		16
5	State estimation for biped robots using multibody dynamics. , 2015, , .		15
6	Fast object approximation for real-time 3D obstacle avoidance with biped robots. , 2016, , .		15
7	Versatile and robust bipedal walking in unknown environments: real-time collision avoidance and disturbance rejection. Autonomous Robots, 2019, 43, 1957-1976.	4.8	14
8	An estimation model for footstep modifications of biped robots. , 2014, , .		11
9	Real-time nonlinear model predictive footstep optimization for biped robots. , 2015, , .		11
10	Real-time 3D collision avoidance for biped robots. , 2014, , .		10
11	Model-based predictive bipedal walking stabilization. , 2016, , .		10
12	A flexible and low-cost tactile sensor for robotic applications. , 2017, , .		7
13	Hybrid position/force control for biped robot stabilization with integrated center of mass dynamics. , 2017, , .		7
14	Kinematic optimization for bipedal robots: a framework for real-time collision avoidance. Autonomous Robots, 2019, 43, 1187-1205.	4.8	7
15	Real-time predictive kinematic evaluation and optimization for biped robots. , 2016, , .		6
16	A Flexible Robotic Framework for Autonomous Manufacturing Processes: Report from the European Robotics Challenge Stage 1. , 2016, , .		4
17	Time-variable, event-based walking control for biped robots. International Journal of Advanced Robotic Systems, 2018, 15, 172988141876891.	2.1	4
18	Modifying the estimated ground height to mitigate error effects on bipedal robot walking. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Torso height optimization for bipedal locomotion. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880444.	2.1	1