Christian Dornhege

List of Publications by Year
in descending order

21 papers	**857** citations

1040056

9 h-index	

1281871

11 g-index

21 all docs	**21** docs citations	**21** times ranked	**835** citing authors

#	Article	IF	Citations
1	On measuring the accuracy of SLAM algorithms. Autonomous Robots, 2009, 27, 387-407.	4.8	254
2	Large scale graph-based SLAM using aerial images as prior information. Autonomous Robots, 2011, 30, 25-39.	4.8	105
3	3D Human Pose Estimation in RGBD Images for Robotic Task Learning. , 2018, , .		97
4	Crop Row Detection on Tiny Plants With the Pattern Hough Transform. IEEE Robotics and Automation Letters, 2018, 3, 3394-3401.	5.1	74
5	A frontier-void-based approach for autonomous exploration in 3D. Advanced Robotics, 2013, 27, 459-468.	1.8	70
6	Building an Aerial–Ground Robotics System for Precision Farming: An Adaptable Solution. IEEE Robotics and Automation Magazine, 2021, 28, 29-49.	2.0	45
7	Localization for precision navigation in agricultural fields—Beyond crop row following. Journal of Field Robotics, 2021, 38, 429-451.	6.0	41
8	Coordinating heterogeneous teams of robots using temporal symbolic planning. Autonomous Robots, 2013, 34, 277-294.	4.8	27
9	Learning mobile manipulation actions from human demonstrations. , 2017, , .		24
10	Mobile manipulation in cluttered environments with humanoids: Integrated perception, task planning, and action execution. , 2014, , .		19
11	Multirobot Coverage Search in Three Dimensions. Journal of Field Robotics, 2016, 33, 537-558.	6.0	19
12	Learning manipulation actions from human demonstrations. , 2016, , .		14
13	Guiding the Generation of Manipulation Plans by Qualitative Spatial Reasoning. Spatial Cognition and Computation, 2011, 11, 75-102.	1.2	13
14	Coordinated exploration with marsupial teams of robots using temporal symbolic planning. , 2010, , .		12
15	Coupling Mobile Base and End-Effector Motion in Task Space. , 2018, , .		11
16	Combined Task and Action Learning from Human Demonstrations for Mobile Manipulation Applications. , 2019, , .		9
17	Mapping for the Support of First Responders in Critical Domains. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 64, 7-31.	3.4	6
18	Efficient path planning for mobile robots with adjustable wheel positions. , 2017, , .		6

#	Article	IF	Citations
19	Why did the robot cross the road? â€" Learning from multi-modal sensor data for autonomous road crossing. , 2017, , .		5
20	Efficient extensible path planning on 3D terrain using behavior modules. , 2013, , .		3
21	Shakey 2016 - How Much Does it Take to Redo Shakey the Robot?. IEEE Robotics and Automation Letters, 2017, , 1-1.	5.1	3