

Siyuan Feng

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

652
citations

1937685

4
h-index

2272923

4
g-index

14
all docs

14
docs citations

14
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization-based Full Body Control for the DARPA Robotics Challenge. Journal of Field Robotics, 2015, 32, 293-312.	6.0	170
2	Optimization based full body control for the atlas robot. , 2014, , .		111
3	Optimization based controller design and implementation for the Atlas robot in the DARPA Robotics Challenge Finals. , 2015, , .		79
4	Human-in-the-loop Control of a Humanoid Robot for Disaster Response: A Report from the DARPA Robotics Challenge Trials. Journal of Field Robotics, 2015, 32, 275-292.	6.0	65
5	Decoupled state estimation for humanoids using full-body dynamics. , 2014, , .		42
6	Center of mass estimator for humanoids and its application in modelling error compensation, fall detection and prevention. , 2015, , .		35
7	Team WPI-CMU: Achieving Reliable Humanoid Behavior in the DARPA Robotics Challenge. Journal of Field Robotics, 2017, 34, 381-399.	6.0	35
8	3D walking based on online optimization. , 2013, , .		28
9	Dynamic state estimation using Quadratic Programming. , 2014, , .		24
10	Design and Open-Loop Control of the ParkourBot, a Dynamic Climbing Robot. IEEE Transactions on Robotics, 2014, 30, 705-718.	10.3	15
11	A distributed MEMS gyro network for joint velocity estimation. , 2016, , .		15
12	The ParkourBot - a dynamic BowLeg climbing robot. , 2011, , .		14
13	Full-body motion planning and control for the car egress task of the DARPA robotics challenge. , 2015, , .		10
14	Minimalistic, dynamic, tube climbing robot. , 2010, , .		9