

Umashankar Nagarajan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10378416/publications.pdf>

Version: 2024-02-01

11
papers

404
citations

1937685

4
h-index

2272923

4
g-index

11
all docs

11
docs citations

11
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	The ballbot: An omnidirectional balancing mobile robot. International Journal of Robotics Research, 2014, 33, 917-930.	8.5	90
2	Trajectory planning and control of an underactuated dynamically stable single spherical wheeled mobile robot. , 2009, , .		77
3	State transition, balancing, station keeping, and yaw control for a dynamically stable single spherical wheel mobile robot. , 2009, , .		75
4	Integral admittance shaping: A unified framework for active exoskeleton control. Robotics and Autonomous Systems, 2016, 75, 310-324.	5.1	71
5	Planning in high-dimensional shape space for a single-wheeled balancing mobile robot with arms. , 2012, , .		17
6	Shape space planner for shape-accelerated balancing mobile robots. International Journal of Robotics Research, 2013, 32, 1323-1341.	8.5	16
7	Generalized direction changing fall control of humanoid robots among multiple objects. , 2010, , .		14
8	Integral Admittance Shaping for exoskeleton control. , 2015, , .		14
9	Hybrid control for navigation of shape-accelerated underactuated balancing systems. , 2010, , .		11
10	Integrated planning and control for graceful navigation of shape-accelerated underactuated balancing mobile robots. , 2012, , .		10
11	Integrated motion planning and control for graceful balancing mobile robots. International Journal of Robotics Research, 2013, 32, 1005-1029.	8.5	9