

Chaohui Gong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10791590/publications.pdf>

Version: 2024-02-01

19
papers

829
citations

1307594

7
h-index

1588992

8
g-index

19
all docs

19
docs citations

19
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination of lateral body bending and leg movements for sprawled posture quadrupedal locomotion. <i>International Journal of Robotics Research</i> , 2021, 40, 747-763.	8.5	15
2	Surprising simplicities and syntheses in limbless self-propulsion in sand. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	29
3	Geometric Motion Planning for Systems With Toroidal and Cylindrical Shape Spaces. , 2018, , .		8
4	Geometric Mechanics Applied to Tetrapod Locomotion on Granular Media. <i>Lecture Notes in Computer Science</i> , 2017, , 595-603.	1.3	8
5	Tail use improves performance on soft substrates in models of early vertebrate land locomotors. <i>Science</i> , 2016, 353, 154-158.	12.6	78
6	A review on locomotion robophysics: the study of movement at the intersection of robotics, soft matter and dynamical systems. <i>Reports on Progress in Physics</i> , 2016, 79, 110001.	20.1	197
7	Kinematic gait synthesis for snake robots. <i>International Journal of Robotics Research</i> , 2016, 35, 100-113.	8.5	45
8	Locomotive reduction for snake robots. , 2015, , .		13
9	Robot-inspired biology: The compound-wave control template. , 2015, , .		7
10	Modeling rolling gaits of a snake robot. , 2015, , .		16
11	Modulation of orthogonal body waves enables high maneuverability in sidewinding locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6200-6205.	7.1	78
12	Visual sensing for developing autonomous behavior in snake robots. , 2014, , .		26
13	Sidewinding with minimal slip: Snake and robot ascent of sandy slopes. <i>Science</i> , 2014, 346, 224-229.	12.6	209
14	Extended gait equation for sidewinding. , 2013, , .		16
15	Snakes on a plan: Toward combining planning and control. , 2013, , .		21
16	Conical sidewinding. , 2012, , .		16
17	Multi-agent deterministic graph mapping via robot rendezvous. , 2012, , .		8
18	Simplifying Gait Design via Shape Basis Optimization. , 0, , .		18

#	ARTICLE	IF	CITATIONS
19	Geometric Swimming on a Granular Surface. , 0, , .		21