Chaohui Gong

List of Publications by Year
in descending order

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

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19	829	1307594	1588992
papers	citations	7 h-index	8 g-index

19	19	19	734
all docs	docs citations	times ranked	citing authors

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

#	Article	IF	Citations
19	Robot-inspired biology: The compound-wave control template. , 2015, , .		7