

Masahiro Watanabe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5590343/publications.pdf>

Version: 2024-02-01

16
papers

104
citations

1937685

4
h-index

1588992

8
g-index

17
all docs

17
docs citations

17
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	Eversion Robotic Mechanism With Hydraulic Skeleton to Realize Steering Function. IEEE Robotics and Automation Letters, 2021, 6, 5413-5420.	5.1	15
2	Fire-Resistant Deformable Soft Gripper Based on Wire Jamming Mechanism. , 2020, , .		14
3	Radial-Layer Jamming Mechanism for String Configuration. IEEE Robotics and Automation Letters, 2020, 5, 5221-5228.	5.1	12
4	Soft sheet actuator generating traveling waves inspired by gastropod's locomotion. , 2017, , .		9
5	Flexible Sheet Actuator That Generates Bidirectional Traveling Waves. , 2018, , .		7
6	Suitable configurations for pneumatic soft sheet actuator to generate traveling waves. Advanced Robotics, 2018, 32, 363-374.	1.8	6
7	Internally-Balanced Magnetic Mechanisms Using a Magnetic Spring for Producing a Large Amplified Clamping Force. , 2020, , .		5
8	Pneumatic Driven Hollow Variable Stiffness Mechanism Aiming Non-Contact Insertion of Telescopic Guide Tubes. , 2021, , .		5
9	Small Swarm Search Robot System with Rigid-Bone Parachute Rapidly Deployable from Aerial Vehicles. , 2019, , .		4
10	Design and Control of Parallel Gripper with Linear and Curved Trajectory Consisting of Only Revolute Pairs. , 2020, , .		4
11	MR Fluid Jamming Gripper Applying Internally-Balanced Magnetic Unit Controllable by Small Control Force. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2A2-G03.	0.0	4
12	Highly Articulated Tube Mechanism With Variable Stiffness and Shape Restoration Using a Pneumatic Actuator. IEEE Robotics and Automation Letters, 2022, 7, 3664-3671.	5.1	4
13	Aerial manipulator aimed for door opening mission. , 2014, , .		3
14	Internally-Balanced Displacement-Force Converter for Stepless Control of Spring Deformation Compensated by Cam With Variable Pressure Angle. IEEE Robotics and Automation Letters, 2021, 6, 4576-4583.	5.1	2
15	Permanent-Magnetically Amplified Brake Mechanism Compensated and Stroke-Shortened by a Multistage Nonlinear Spring. IEEE Robotics and Automation Letters, 2022, 7, 6266-6273.	5.1	1
16	Two-Sheet Type Rotary-Driven Thin Bending Mechanism Realizing High Stiffness. IEEE Robotics and Automation Letters, 2021, 6, 8333-8340.	5.1	0