Masahiro Watanabe

List of Publications by Year
in descending order

16	104	1937457 4	1588896 8
papers	citations	h-index	g-index

17	17	17	70
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Permanent-Magnetically Amplified Brake Mechanism Compensated and Stroke-Shortened by a Multistage Nonlinear Spring. IEEE Robotics and Automation Letters, 2022, 7, 6266-6273.	3.3	1
2	Highly Articulated Tube Mechanism With Variable Stiffness and Shape Restoration Using a Pneumatic Actuator. IEEE Robotics and Automation Letters, 2022, 7, 3664-3671.	3.3	4
3	Pneumatic Driven Hollow Variable Stiffness Mechanism Aiming Non-Contact Insertion of Telescopic Guide Tubes. , 2021, , .		5
4	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.	3.3	2
5	Two-Sheet Type Rotary-Driven Thin Bending Mechanism Realizing High Stiffness. IEEE Robotics and Automation Letters, 2021, 6, 8333-8340.	3.3	0
6	Eversion Robotic Mechanism With Hydraulic Skeletonto Realize Steering Function. IEEE Robotics and Automation Letters, 2021, 6, 5413-5420.	3.3	15
7	Fire-Resistant Deformable Soft Gripper Based on Wire Jamming Mechanism. , 2020, , .		14
8	Internally-Balanced Magnetic Mechanisms Using a Magnetic Spring for Producing a Large Amplified Clamping Force. , 2020, , .		5
9	Radial-Layer Jamming Mechanism for String Configuration. IEEE Robotics and Automation Letters, 2020, 5, 5221-5228.	3.3	12
10	Design and Control of Parallel Gripper with Linear and Curved Trajectory Consisting of Only Revolute Pairs. , 2020, , .		4
11	Small Swarm Search Robot System with Rigid-Bone Parachute Rapidly Deployable from Aerial Vehicles. , 2019, , .		4
12	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, 2019, 2A2-G03.	0.0	4
13	Suitable configurations for pneumatic soft sheet actuator to generate traveling waves. Advanced Robotics, 2018, 32, 363-374.	1.1	6
14	Flexible Sheet Actuator That Generates Bidirectional Traveling Waves. , 2018, , .		7
15	Soft sheet actuator generating traveling waves inspired by gastropod's locomotion. , 2017, , .		9
16	Aerial manipulator aimed for door opening mission. , 2014, , .		3