

Hongqiang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5882716/publications.pdf>

Version: 2024-02-01

19
papers

602
citations

1040056

9
h-index

1058476

14
g-index

19
all docs

19
docs citations

19
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Metal Electrodes by Femtosecond Laser-Activated Deposition for Human-Machine Interfaces. ACS Applied Materials & Interfaces, 2022, 14, 11971-11980.	8.0	12
2	Underwater Self-Powered All-Optical Wireless Ultrasonic Sensing, Positioning and Communication with Ultrafast Response Time and Ultrahigh Sensitivity. Advanced Optical Materials, 2022, 10, .	7.3	12
3	So-EAGlove: VR Haptic Glove Rendering Softness Sensation With Force-Tunable Electrostatic Adhesive Brakes. IEEE Transactions on Robotics, 2022, 38, 3450-3462.	10.3	12
4	Modeling and Optimization of Electrostatic Film Actuators Based on the Method of Moments. Soft Robotics, 2021, 8, 651-661.	8.0	5
5	Biologically inspired electrostatic artificial muscles for insect-sized robots. International Journal of Robotics Research, 2021, 40, 895-922.	8.5	30
6	Analyses and Optimization of Electrostatic Film Actuators Considering Electrical Breakdown. IEEE Robotics and Automation Letters, 2021, 6, 1152-1159.	5.1	3
7	Design and Experiment of a Soft Gripper Based on Cable-Driven Continuum Structures. , 2021, , .		1
8	A Soft Gripper Driven by Bellow Actuators and Twist Actuators for Dexterous Grasping. , 2021, , .		1
9	A Miniaturized Dual-Slider Linear Actuator Using Electrostatic Adhesion and Inertia Drive. Actuators, 2020, 9, 114.	2.3	3
10	Controllable water surface to underwater transition through electrowetting in a hybrid terrestrial-aquatic microrobot. Nature Communications, 2018, 9, 2495.	12.8	86
11	Analyses and Solutions for the Buckling of Thin and Flexible Electrostatic Inchworm Climbing Robots. IEEE Transactions on Robotics, 2017, 33, 889-900.	10.3	42
12	A biologically inspired, flapping-wing, hybrid aerial-aquatic microrobot. Science Robotics, 2017, 2, .	17.6	159
13	A Highly Stretchable Capacitive-Based Strain Sensor Based on Metal Deposition and Laser Rastering. Advanced Materials Technologies, 2017, 2, 1700081.	5.8	90
14	Delicate manipulations with compliant mechanism and electrostatic adhesion. , 2016, , .		5
15	Motion Planning Based on Learning From Demonstration for Multiple-Segment Flexible Soft Robots Actuated by Electroactive Polymers. IEEE Robotics and Automation Letters, 2016, 1, 391-398.	5.1	60
16	Peel Force of Electrostatic Adhesion in Crawler-type Electrostatic Climbing Robots. Nihon AEM Gakkaishi, 2015, 23, 498-503.	0.1	8
17	A Crawler Climbing Robot Integrating Electroadhesion and Electrostatic Actuation. International Journal of Advanced Robotic Systems, 2014, 11, 191.	2.1	37
18	A thin electroadhesive inchworm climbing robot driven by an electrostatic film actuator for inspection in a narrow gap. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
19	Electrostatic-motor-driven electroadhesive robot. , 2012, , .		27