

Bioinspired Robotic Fingers Based on Pneumatic Actuated Material

Soft Robotics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Liquid Metal-Conductive Thermoplastic Elastomer Integration for Low-Voltage Stiffness Tuning. <i>Advanced Materials Technologies</i> , 2017, 2, 1700179.	3.0	65
2	Shape Memory Alloy-Based Soft Gripper with Variable Stiffness for Compliant and Effective Grasping. <i>Soft Robotics</i> , 2017, 4, 379-389.	4.6	247
3	Mechanically Versatile Soft Machines through Laminar Jamming. <i>Advanced Functional Materials</i> , 2018, 28, 1707136.	7.8	159
4	Principles and methods for stiffness modulation in soft robot design and development. <i>Bio-Design and Manufacturing</i> , 2018, 1, 14-25.	3.9	78
5	Controllable and reversible tuning of material rigidity for robot applications. <i>Materials Today</i> , 2018, 21, 563-576.	8.3	158
6	A soft robotic hand: design, analysis, sEMG control, and experiment. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 319-333.	1.5	46
7	Concept for a 3D-printed soft rotary actuator driven by a shape-memory alloy. <i>Smart Materials and Structures</i> , 2018, 27, 055005.	1.8	15
8	A eutectic-alloy-infused soft actuator with sensing, tunable degrees of freedom, and stiffness properties. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 024004.	1.5	77
9	Anthropomorphic Soft Pneumatic Fingers Towards Full Dexterity of Human Hand. , 2018, , .		6
10	Design of Carbon Fiber Based Flexible Soft Heater for SMP Embedded Soft Actuators: A Step Towards Artificial Joints. , 2018, , .		1
11	Using human studies to analyze capabilities of underactuated and compliant hands in manipulation tasks. , 2018, , .		6
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18	A Novel Variable Stiffness Actuator Based on Pneumatic Actuation and Supercoiled Polymer Artificial Muscles. , 2019, , .		16

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20	A fiber-reinforced human-like soft robotic manipulator based on sEMG force estimation. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 86, 56-67.	4.3	10
21	IMU-Based Active Safe Control of a Variable Stiffness Soft Actuator. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 1247-1254.	3.3	14
22	Tailor-made thermosets obtained by sequential dual-curing combining isocyanate-thiol and epoxy-thiol click reactions. <i>Polymer</i> , 2019, 174, 200-209.	1.8	16
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