

Kaitlyn P Becker

List of Publications by Year in descending order

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13
papers

1,105
citations

933447

10
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Injection Molding of Soft Robots. <i>Advanced Materials Technologies</i> , 2022, 7, 2100605.	5.8	17
2	Controlling Soft Fluidic Actuators Using Soft DEA-Based Valves. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 8837-8844.	5.1	7
3	A dynamic electrically driven soft valve for control of soft hydraulic actuators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
4	Soft Actuator Arrays: Mechanically Programmable Dip Molding of High Aspect Ratio Soft Actuator Arrays (<i>Adv. Funct. Mater.</i> 12/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070075.	14.9	2
5	A fluidic demultiplexer for controlling large arrays of soft actuators. <i>Soft Matter</i> , 2020, 16, 5871-5877.	2.7	25
6	Mechanically Programmable Dip Molding of High Aspect Ratio Soft Actuator Arrays. <i>Advanced Functional Materials</i> , 2020, 30, 1908919.	14.9	24
7	A Modular Soft Robotic Wrist for Underwater Manipulation. <i>Soft Robotics</i> , 2018, 5, 399-409.	8.0	98
8	All-Polymer Integrated Optical Resonators by Roll-to-Roll Nanoimprint Lithography. <i>ACS Photonics</i> , 2018, 5, 1839-1845.	6.6	44
9	Soft Curvature and Contact Force Sensors for Deep-Sea Grasping via Soft Optical Waveguides. , 2018, , .		25
10	A Dexterous, Glove-Based Teleoperable Low-Power Soft Robotic Arm for Delicate Deep-Sea Biological Exploration. <i>Scientific Reports</i> , 2018, 8, 14779.	3.3	98
11	Shipboard design and fabrication of custom 3D-printed soft robotic manipulators for the investigation of delicate deep-sea organisms. <i>PLoS ONE</i> , 2018, 13, e0200386.	2.5	58
12	Rotary-actuated folding polyhedrons for midwater investigation of delicate marine organisms. <i>Science Robotics</i> , 2018, 3, .	17.6	59
13	Soft Robotic Grippers for Biological Sampling on Deep Reefs. <i>Soft Robotics</i> , 2016, 3, 23-33.	8.0	624