

# Kaitlyn P Becker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8449882/publications.pdf>

Version: 2024-02-01

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	Soft Robotic Grippers for Biological Sampling on Deep Reefs. <i>Soft Robotics</i> , 2016, 3, 23-33.	8.0	624
2	A Modular Soft Robotic Wrist for Underwater Manipulation. <i>Soft Robotics</i> , 2018, 5, 399-409.	8.0	98
3	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
4	Rotary-actuated folding polyhedrons for midwater investigation of delicate marine organisms. <i>Science Robotics</i> , 2018, 3, .	17.6	59
5	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
6	All-Polymer Integrated Optical Resonators by Roll-to-Roll Nanoimprint Lithography. <i>ACS Photonics</i> , 2018, 5, 1839-1845.	6.6	44
7	Soft Curvature and Contact Force Sensors for Deep-Sea Grasping via Soft Optical Waveguides. , 2018, , .		25
8	A fluidic demultiplexer for controlling large arrays of soft actuators. <i>Soft Matter</i> , 2020, 16, 5871-5877.	2.7	25
9	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
10	Mechanically Programmable Dip Molding of High Aspect Ratio Soft Actuator Arrays. <i>Advanced Functional Materials</i> , 2020, 30, 1908919.	14.9	24
11	Injection Molding of Soft Robots. <i>Advanced Materials Technologies</i> , 2022, 7, 2100605.	5.8	17
12	Controlling Soft Fluidic Actuators Using Soft DEA-Based Valves. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 8837-8844.	5.1	7
13	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