

# Hao Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9325206/publications.pdf>

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17  
papers

788  
citations

1163117  
8  
h-index

1588992  
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g-index

17  
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17  
docs citations

17  
times ranked

665  
citing authors

#	ARTICLE	IF	CITATIONS
1	A robotic device using gecko-inspired adhesives can grasp and manipulate large objects in microgravity. <i>Science Robotics</i> , 2017, 2, .	17.6	196
2	A Multimodal Robot for Perching and Climbing on Vertical Outdoor Surfaces. <i>IEEE Transactions on Robotics</i> , 2017, 33, 38-48.	10.3	105
3	Grasping without squeezing: Shear adhesion gripper with fibrillar thin film. , 2015, , .		74
4	Aggressive Flight With Quadrotors for Perching on Inclined Surfaces. <i>Journal of Mechanisms and Robotics</i> , 2016, 8, .	2.2	68
5	Grasping Without Squeezing: Design and Modeling of Shear-Activated Grippers. <i>IEEE Transactions on Robotics</i> , 2018, 34, 303-316.	10.3	57
6	Three-dimensional dynamic surface grasping with dry adhesion. <i>International Journal of Robotics Research</i> , 2016, 35, 943-958.	8.5	48
7	Dynamic surface grasping with directional adhesion. , 2013, , .		47
8	Scaling controllable adhesives to grapple floating objects in space. , 2015, , .		36
9	A palm for a rock climbing robot based on dense arrays of micro-spines. , 2016, , .		33
10	Modeling the dynamics of perching with opposed-grip mechanisms. , 2014, , .		27
11	SpinyHand: Contact Load Sharing for a Human-Scale Climbing Robot. <i>Journal of Mechanisms and Robotics</i> , 2019, 11, .	2.2	24
12	Stochastic models of compliant spine arrays for rough surface grasping. <i>International Journal of Robotics Research</i> , 2018, 37, 669-687.	8.5	23
13	Planning and Control of Aggressive Maneuvers for Perching on Inclined and Vertical Surfaces. , 2015, , .		16
14	Tactile sensing for gecko-inspired adhesion. , 2015, , .		10
15	Incipient Slip Detection and Recovery for Controllable Gecko-Inspired Adhesion. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 460-467.	5.1	10
16	Force and moment constraints of a curved surface gripper and wrist for assistive free flyers. , 2017, , .		8
17	Perching failure detection and recovery with onboard sensing. , 2015, , .		6