

# Hao Jiang

## List of Publications by Year in descending order

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

Version: 2024-02-01

17  
papers

788  
citations

1163117  
8  
h-index

1588992  
8  
g-index

17  
all docs

17  
docs citations

17  
times ranked

665  
citing authors

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