

Justin K Yim

List of Publications by Year in descending order

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12
papers

563
citations

1684188

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12
docs citations

12
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Minimally Actuated Leg Extension Bipedal Walker Based on 3D Passive Dynamics. , 2022, , .		5
2	Electrostatic footpads enable agile insect-scale soft robots with trajectory control. Science Robotics, 2021, 6, .	17.6	66
3	Precision Robotic Leaping and Landing Using Stance-Phase Balance. IEEE Robotics and Automation Letters, 2020, 5, 3422-3429.	5.1	33
4	Insect-scale fast moving and ultrarobust soft robot. Science Robotics, 2019, 4, .	17.6	282
5	Manipulating the Moving Trajectory of Insect-Scale Piezoelectric Soft Robots by Frequency. , 2019, , .		6
6	Drift-free Roll and Pitch Estimation for High-acceleration Hopping. , 2019, , .		8
7	Precision Jumping Limits from Flight-phase Control in Salto-1P. , 2018, , .		21
8	Robust Lyapunov Control Design for Bioinspired Pursuit With Autonomous Hovercraft. IEEE Transactions on Control Systems Technology, 2017, 25, 509-520.	5.2	5
9	Design Exploration and Kinematic Tuning of a Power Modulating Jumping Monopod. Journal of Mechanisms and Robotics, 2017, 9, .	2.2	60
10	Repetitive extreme-acceleration (14-g) spatial jumping with Salto-1P. , 2017, , .		53
11	A power modulating leg mechanism for monopedal hopping. , 2016, , .		22
12	Bio-inspired pursuit with autonomous hovercraft using Lyapunov-based control. , 2015, , .		2