

Moju Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

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citations

1307594

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docs citations

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236
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Modeling, and Control of an Aerial Robot DRAGON: A Dual-Rotor-Embedded Multilink Robot With the Ability of Multi-Degree-of-Freedom Aerial Transformation. IEEE Robotics and Automation Letters, 2018, 3, 1176-1183.	5.1	132
2	Whole-body aerial manipulation by transformable multirotor with two-dimensional multilinks. , 2017, , .		56
3	Dual connected Bi-Copter with new wall trace locomotion feasibility that can fly at arbitrary tilt angle. , 2015, , .		35
4	Transformable multirotor with two-dimensional multilinks: modeling, control, and motion planning for aerial transformation. Advanced Robotics, 2016, 30, 825-845.	1.8	34
5	Transformable multirotor with two-dimensional multilinks: Modeling, control, and whole-body aerial manipulation. International Journal of Robotics Research, 2018, 37, 1085-1112.	8.5	33
6	Aerial Grasping Based on Shape Adaptive Transformation by HALO: Horizontal Plane Transformable Aerial Robot with Closed-Loop Multilinks Structure. , 2018, , .		24
7	Multilinked multirotor with internal communication system for multiple objects transportation based on form optimization method. , 2017, , .		22
8	Design, Modeling and Control of Fully Actuated 2D Transformable Aerial Robot with 1 DoF Thrust Vectorable Link Module. , 2019, , .		20
9	Online Motion Planning for Deforming Maneuvering and Manipulation by Multilinked Aerial Robot Based on Differential Kinematics. IEEE Robotics and Automation Letters, 2020, 5, 1602-1609.	5.1	15
10	Aerial Regrasping: Pivoting with Transformable Multilink Aerial Robot. , 2020, , .		14
11	Flight Motion of Passing Through Small Opening by DRAGON: Transformable Multilinked Aerial Robot. , 2018, , .		12
12	External Wrench Estimation for Multilink Aerial Robot by Center of Mass Estimator Based on Distributed IMU System. , 2019, , .		12
13	Robust real-time visual tracking using dual-frame deep comparison network integrated with correlation filters. , 2017, , .		11
14	Multi-rigid-body dynamics and online model predictive control for transformable multi-links aerial robot. Advanced Robotics, 2019, 33, 971-984.	1.8	11
15	Enhanced Modeling and Control for Multilinked Aerial Robot With Two DoF Force Vectoring Apparatus. IEEE Robotics and Automation Letters, 2021, 6, 135-142.	5.1	10
16	Singularity-Free Aerial Deformation by Two-Dimensional Multilinked Aerial Robot With 1-DoF Vectorable Propeller. IEEE Robotics and Automation Letters, 2021, 6, 1367-1374.	5.1	10
17	Forceful Valve Manipulation With Arbitrary Direction by Articulated Aerial Robot Equipped With Thrust Vectoring Apparatus. IEEE Robotics and Automation Letters, 2022, 7, 4893-4900.	5.1	7
18	Versatile multilinked aerial robot with tilted propellers: Design, modeling, control, and state estimation for autonomous flight and manipulation. Journal of Field Robotics, 2021, 38, 933-966.	6.0	6

#	ARTICLE	IF	CITATIONS
19	Model Reference Adaptive Control of Multirotor for Missions with Dynamic Change of Payloads During Flight. , 2020, , .		5
20	Achievement of Online Agile Manipulation Task for Aerial Transformable Multilink Robot. , 2019, , .		3
21	Elastic Vibration Suppression Control for Multilinked Aerial Robot Using Redundant Degrees-of-Freedom of Thrust Force. IEEE Robotics and Automation Letters, 2022, 7, 2859-2866.	5.1	3
22	Aerial Manipulation Using Contact with the Environment by Thrust Vectorable Multilinked Aerial Robot. , 2022, , .		2
23	Dual Connected Bi-Copter with New Locomotion Feasibility That Can Fly at Arbitrary Tilt Angle. Journal of the Robotics Society of Japan, 2015, 33, 285-291.	0.1	1
24	Fixed-root Aerial Manipulator: Design, Modeling, and Control of Multilink Aerial Arm to Adhere Foot Module to Ceilings using Rotor Thrust. , 2021, , .		1
25	Team JSK at MBZIRC 2020: Interception of fast flying target using multilinked aerial robot. , 2021, 1, 70-101.		1
26	Path Planning Based on Differential Kinematics for Passing Through Small Opening by Transformable Multilinked Aerial Robot. Springer Proceedings in Advanced Robotics, 2020, , 536-548.	1.3	0