Mingying Huo

List of Publications by Year
in descending order

24 papers	313 citations	1040056 9 h-index	839539 18 g-index
24 all docs	24 docs citations	24 times ranked	118 citing authors

#	Article	IF	Citations
1	Fast Trajectory Generation and Asteroid Sequence Selection in Multispacecraft for Multiasteroid Exploration. IEEE Transactions on Cybernetics, 2022, 52, 6071-6082.	9.5	3
2	Fast Cooperative Trajectory Generation of Unmanned Aerial Vehicles Using a Bezier Curve-Based Shaping Method. IEEE Access, 2022, 10, 1626-1636.	4.2	4
3	Rapid optimization of continuous trajectory for multi-target exploration propelled by electric sails. Aerospace Science and Technology, 2022, 129, 107678.	4.8	7
4	GTOC11: Methods and results from the team of Harbin Institute of Technology. Acta Astronautica, 2022, , .	3.2	0
5	Fast initial design of low-thrust multiple gravity-assist three-dimensional trajectories based on the Bezier shape-based method. Acta Astronautica, 2021, 178, 233-240.	3.2	10
6	Jupiter system exploration trajectory design: Summary of the winning solution at CTOC10. Astrodynamics, 2021, 5, 13-26.	2.4	7
7	Fast cooperative angular trajectory planning for multiple on-orbit service spacecraft based on the Bezier shape-based method. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 2426-2435.	1.3	2
8	Dynamics and control of a full-scale flexible electric solar wind sail spacecraft. Aerospace Science and Technology, 2021, 119, 107087.	4.8	20
9	Fast Cooperative Trajectory Optimization for Close-Range Satellite Formation Using Bezier Shape-Based Method. IEEE Access, 2020, 8, 30918-30927.	4.2	9
10	Coupled attitude-vibration analysis of an E-sail using absolute nodal coordinate formulation. Astrodynamics, 2020, 4, 249-263.	2.4	17
11	Initial design of low-thrust trajectories based on the Bezier curve-based shaping approach. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1825-1835.	1.3	5
12	Fast cooperative trajectory optimization and test verification for close-range satellite formation using Finite Fourier Series method. Chinese Journal of Aeronautics, 2020, 33, 2224-2229.	5.3	8
13	Fast preliminary design of low-thrust trajectories for multi-asteroid exploration. Aerospace Science and Technology, 2019, 93, 105295.	4.8	26
14	Initial Trajectory Design of Electric Solar Wind Sail Based on Finite Fourier Series Shape-Based Method. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3674-3683.	4.7	27
15	Initial Three-Dimensional Trajectory Design for Solar Sails Using Bezier Shaping Approach. IEEE Access, 2019, 7, 150842-150850.	4.2	6
16	Long short term memory network is capable of capturing complex hysteretic dynamics in piezoelectric actuators. Electronics Letters, 2019, 55, 80-82.	1.0	8
17	Mission Analysis for Vesta and Ceres Exploration Using Electric Sail With Classical and Advanced Thrust Models. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2796-2804.	4.7	8
18	Electric sail trajectory design with Bezier curve-based shaping approach. Aerospace Science and Technology, 2019, 88, 126-135.	4.8	40

#	Article	IF	Citations
19	Electric Sail Thrust Model from a Geometrical Perspective. Journal of Guidance, Control, and Dynamics, 2018, 41, 735-741.	2.8	55
20	Trajectory optimization for Ceres exploration using electric solar wind sail with a refined thrust model. , 2017, , .		0
21	The Coupled Orbit-Attitude Dynamics and Control of Electric Sail in Displaced Solar Orbits. International Journal of Aerospace Engineering, 2017, 2017, 1-12.	0.9	7
22	Optimal planetary rendezvous with an electric sail. Aircraft Engineering and Aerospace Technology, 2016, 88, 515-522.	0.8	21
23	Coupled Attitude-Orbit Dynamics and Control for an Electric Sail in a Heliocentric Transfer Mission. PLoS ONE, 2015, 10, e0125901.	2.5	18
24	Displaced Electric Sail Orbits Design and Transition Trajectory Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	5