

Yunhai Geng

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

193
citations

1040056

9
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-based analytic safe trajectory design for spacecraft equipped with low-thrust engines. <i>Aerospace Science and Technology</i> , 2017, 62, 87-97.	4.8	36
2	Vibration suppression of flexible spacecraft during attitude maneuver using CMGs. <i>Aerospace Science and Technology</i> , 2018, 72, 183-192.	4.8	29
3	Observer-based fixed-time tracking control for space robots in task space. <i>Acta Astronautica</i> , 2021, 184, 35-45.	3.2	20
4	Global Singularity Avoidance Steering Law for Single-Gimbal Control Moment Gyroscopes. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 3027-3036.	2.8	17
5	LPV gain-scheduled attitude control for satellite with time-varying inertia. <i>Aerospace Science and Technology</i> , 2018, 80, 424-432.	4.8	13
6	Rapid SGCMGs Singularity-Escape Steering Law in Gimbal Angle Space. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2018, 54, 2509-2525.	4.7	11
7	Predefined-time control for free-floating space robots in task space. <i>Journal of the Franklin Institute</i> , 2021, 358, 9542-9560.	3.4	10
8	A Novel Error Model of Optical Systems and an On-Orbit Calibration Method for Star Sensors. <i>Sensors</i> , 2015, 15, 31428-31441.	3.8	9
9	Rapid Singularity-Escape Steering Strategy for Single-Gimbal Control Moment Gyroscopes. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 3199-3210.	2.8	9
10	Spacecraft angular velocity trajectory planning for SGCMG singularity avoidance. <i>Acta Astronautica</i> , 2018, 151, 284-295.	3.2	7
11	LPV-Based Offline Model Predictive Control for Free-Floating Space Robots. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 3896-3904.	4.7	7
12	Two-target interception problem with a single impulse. <i>Aerospace Science and Technology</i> , 2021, 119, 107110.	4.8	7
13	Manifold path selection steering law for pyramid-type single-gimbal control moment gyros. <i>Aerospace Science and Technology</i> , 2020, 106, 106207.	4.8	5
14	Reachable domain with a single coplanar impulse considering the target-visit constraint. <i>Advances in Space Research</i> , 2022, 69, 3847-3855.	2.6	5
15	Distributed Adaptive Attitude Takeover Control of Failed Spacecraft With Parameters Identification. <i>IEEE Transactions on Control Systems Technology</i> , 2023, 31, 897-904.	5.2	5
16	Two-phase shaping approach to low-thrust trajectories design between coplanar orbits. <i>Advances in Space Research</i> , 2018, 62, 593-613.	2.6	3
17	Robust gimbal reorientation singularity-avoidance steering strategy for regular pentagonal pyramid configuration with two control moment gyroscopes failed. <i>Aerospace Science and Technology</i> , 2021, 119, 107174.	4.8	0