

# Yunhai Geng

## List of Publications by Year in descending order

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