Xiaodong Shao

List of Publications by Year
in descending order

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22 papers	1,045 citations	623188 14 h-index	940134 16 g-index
22 all docs	22 docs citations	22 times ranked	572 citing authors

#	Article	IF	Citations
1	Adaptive Fault-Tolerant Attitude Tracking Control of Spacecraft With Prescribed Performance. IEEE/ASME Transactions on Mechatronics, 2018, 23, 331-341.	3.7	257
2	Fault-Tolerant Prescribed Performance Attitude Tracking Control for Spacecraft Under Input Saturation. IEEE Transactions on Control Systems Technology, 2020, 28, 574-582.	3.2	180
3	Robust Fault-Tolerant Tracking Control for Spacecraft Proximity Operations Using Time-Varying Sliding Mode. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2-17.	2.6	120
4	Smooth finite-time fault-tolerant attitude tracking control for rigid spacecraft. Aerospace Science and Technology, 2016, 55, 144-157.	2.5	83
5	Adaptive fault-tolerant attitude control for satellite reorientation under input saturation. Aerospace Science and Technology, 2018, 78, 171-182.	2.5	80
6	Adaptive Pose Control for Spacecraft Proximity Operations With Prescribed Performance Under Spatial Motion Constraints. IEEE Transactions on Control Systems Technology, 2021, 29, 1405-1419.	3.2	65
7	Appointed-time fault-tolerant attitude tracking control of spacecraft with double-level guaranteed performance bounds. Aerospace Science and Technology, 2019, 92, 337-346.	2.5	57
8	Nussbaumâ€type functionâ€“based attitude control of spacecraft with actuator saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 2927-2949.	2.1	43
9	An Improved Artificial Potential Field Method for Path Planning and Formation Control of the Multi-UAV Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1129-1133.	2.2	35
10	Data-Driven Immersion and Invariance Adaptive Attitude Control for Rigid Bodies With Double-Level State Constraints. IEEE Transactions on Control Systems Technology, 2022, 30, 779-794.	3.2	28
11	Immersion and Invariance Adaptive Pose Control for Spacecraft Proximity Operations Under Kinematic and Dynamic Constraints. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2183-2200.	2.6	18
12	Adaptive fault-tolerant control for attitude reorientation under complex attitude constraints. Aerospace Science and Technology, 2022, 121, 107332.	2.5	18
13	Event-Based Prescribed Performance Control for Dynamic Positioning Vessels. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2548-2552.	2.2	17
14	Neural network-based fault diagnosis for spacecraft with single-gimbal control moment gyros. Chinese Journal of Aeronautics, 2022, 35, 261-273.	2.8	17
15	Fault-Tolerant Reduced-Attitude Control for Spacecraft Constrained Boresight Reorientation. Journal of Guidance, Control, and Dynamics, 2022, 45, 1481-1495.	1.6	12
16	Adaptive Neural Coordinated Control for Multiple Euler-Lagrange Systems With Periodic Event-Triggered Sampling. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-11.	7.2	8
17	Adaptive spacecraft attitude tracking control with guaranteed transient performance. , 2017, , .		4
18	Adaptive backstepping control of uncertain nonlinear systems with input backlash. , 2016, , .		1

#	Article	IF	Citations
19	Adaptive finite-time attitude tracking control for rigid spacecraft with actuator saturation constraints. , 2016, , .		1
20	Adaptive Control for Autonomous Spacecraft Rendezvous with Approaching Path Constraint. , 2019, , .		1
21	Fault Diagnosis and Fault-Tolerant Attitude Control of Spacecraft Based on Combined Observer. , 2021, , .		0
22	Fault diagnosis of liquid rocket engine thrust chamber based on improved augmented particle filter. , 2021, , .		0