

# Zongyi Guo

## List of Publications by Year in descending order

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21  
papers

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citations

840776

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794594

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docs citations

21  
times ranked

198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling-Characterization-Based Robust Attitude Control Scheme for Hypersonic Vehicles. IEEE Transactions on Industrial Electronics, 2017, 64, 6350-6361.	7.9	65
2	Robust Tracking for Hypersonic Reentry Vehicles via Disturbance Estimation-Triggered Control. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1279-1289.	4.7	58
3	Adaptive twisting sliding mode algorithm for hypersonic reentry vehicle attitude control based on finite-time observer. ISA Transactions, 2018, 77, 20-29.	5.7	49
4	Adaptive attitude tracking control for hypersonic reentry vehicles via sliding mode-based coupling effect-triggered approach. Aerospace Science and Technology, 2018, 78, 228-240.	4.8	24
5	Integrated guidance and control design for the hypersonic interceptor based on adaptive incremental backstepping technique. Aerospace Science and Technology, 2019, 89, 318-332.	4.8	23
6	Performance-Involved Coupling Effect-Triggered Scheme for Robust Attitude Control of HRV. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1288-1298.	5.8	22
7	On the synthesis of a sliding-mode-observer-based adaptive fault-tolerant flight control scheme. ISA Transactions, 2021, 111, 8-23.	5.7	22
8	Performance-Guaranteed Adaptive Asymptotic Tracking for Nonlinear Systems With Unknown Sign-Switching Control Direction. IEEE Transactions on Automatic Control, 2023, 68, 1077-1084.	5.7	19
9	A Two-Step Approach for an Enhanced Quadrotor Attitude Estimation via IMU Data. IEEE Transactions on Control Systems Technology, 2018, 26, 1140-1148.	5.2	17
10	Asymptotic adaptive tracking control for hypersonic vehicles with guaranteeing multi-performance requirements. Aerospace Science and Technology, 2020, 105, 106025.	4.8	16
11	Coupling effect-triggered control strategy for hypersonic flight vehicles with finite-time convergence. Nonlinear Dynamics, 2019, 95, 1009-1025.	5.2	12
12	Sliding mode control for systems subjected to unmatched disturbances/unknown control direction and its application. International Journal of Robust and Nonlinear Control, 2021, 31, 1303-1323.	3.7	10
13	Reentry attitude tracking via coupling effect-triggered control subjected to bounded uncertainties. International Journal of Systems Science, 2018, 49, 2571-2585.	5.5	8
14	A fault-tolerant control scheme within adaptive disturbance observer for hypersonic vehicle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 1071-1088.	1.3	8
15	SMC-Based Integrated Guidance and Control for Beam Riding Missiles With Limited LBPU. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2969-2978.	4.7	7
16	On a novel equivalent control-based adaptive sliding mode approach for autopilot design of BTT missiles. Transactions of the Institute of Measurement and Control, 2018, 40, 578-590.	1.7	6
17	Metzler matrix-based switching control scheme for linear systems with prescribed performance guarantees. IFAC-PapersOnLine, 2020, 53, 6428-6433.	0.9	6
18	Robust fault accommodation strategy of the reentry vehicle: a disturbance estimate-triggered approach. Nonlinear Dynamics, 2021, 103, 2605-2625.	5.2	5

#	ARTICLE	IF	CITATIONS
19	Robust tracking for hypersonic vehicles subjected to mismatched uncertainties via fixed-time sliding mode control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 2145-2153.	1.3	5
20	Performance improvement-oriented reentry attitude control for reusable launch vehicles with overload constraint. ISA Transactions, 2022, 128, 386-396.	5.7	3
21	A cooperative fault-tolerant control method for the coupled system based on interaction effect utilization. IFAC-PapersOnLine, 2020, 53, 4109-4114.	0.9	0