

Zhenhua Zhao

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-order sliding mode observer-based trajectory tracking control for a quadrotor UAV with uncertain dynamics. <i>Nonlinear Dynamics</i> , 2020, 102, 2583-2596. | 2.7 | 53 |
| 2 | Continuous Output Feedback TSM Control for Uncertain Systems With a DC-AC Inverter Example. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 71-75. | 2.2 | 52 |
| 3 | Composite predictive flight control for airbreathing hypersonic vehicles. <i>International Journal of Control</i> , 2014, 87, 1970-1984. | 1.2 | 51 |
| 4 | Finite-time super-twisting sliding mode control for Mars entry trajectory tracking. <i>Journal of the Franklin Institute</i> , 2015, 352, 5226-5248. | 1.9 | 45 |
| 5 | Continuous terminal sliding mode control with extended state observer for PMSM speed regulation system. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 1195-1204. | 1.1 | 45 |
| 6 | Robust Control of Uncertain Nonlinear Systems: A Nonlinear DOBC Approach. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016, 138, . | 0.9 | 25 |
| 7 | Drag-based composite super-twisting sliding mode control law design for Mars entry guidance. <i>Advances in Space Research</i> , 2016, 57, 2508-2518. | 1.2 | 23 |
| 8 | Continuous Finite-Time Sliding Mode Control for Uncertain Nonlinear Systems with Applications to DC-DC Buck Converters. <i>Asian Journal of Control</i> , 2019, 21, 312-322. | 1.9 | 20 |
| 9 | Finite-time disturbance observer-based trajectory tracking control for flexible-joint robots. <i>Nonlinear Dynamics</i> , 2021, 106, 459-471. | 2.7 | 14 |
| 10 | A simplified delamination modelling methodology for triaxial braided composites with macro-scale solid finite-element models. <i>International Journal of Crashworthiness</i> , 2019, 24, 54-70. | 1.1 | 7 |
| 11 | Ballistic impact behaviour of stiffened aluminium plates for gas turbine engine containment system. <i>International Journal of Crashworthiness</i> , 2017, 22, 467-478. | 1.1 | 6 |
| 12 | Nonlinear composite bilateral control framework for n-DOF teleoperation systems with disturbances. <i>Science China Information Sciences</i> , 2018, 61, 1. | 2.7 | 6 |
| 13 | Longitudinal Compressive Property of Three-Dimensional Four-Step Braided Composites after Cyclic Hygrothermal Aging under High Strain Rates. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2061. | 1.3 | 6 |
| 14 | Adaptive fault-tolerant tracking control of flying-wing unmanned aerial vehicle with system input saturation and state constraints. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 880-891. | 1.1 | 6 |
| 15 | Design and implementation of chattering free sliding mode control method for PMSM speed regulation system. , 2015, , . | | 5 |
| 16 | Influence of Heat Treatment on Cyclic Response of Nickel-Based Superalloy Inconel 718 up to Very-High Cycle Regime. <i>Materials</i> , 2020, 13, 5358. | 1.3 | 5 |
| 17 | Modeling and nonlinear model predictive control of kite system for high altitude wind energy generation. , 2014, , . | | 4 |
| 18 | Trajectory Tracking Control for Quadrotor UAVs based on Composite Nonsingular Terminal Sliding Mode method. , 2020, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Continuous terminal sliding mode guidance law with consideration of autopilot dynamics. , 2017, , . | | 3 |
| 20 | Experimental study on the high-speed impact of a sand particle on TiAl ₄ V. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 632-646. | 1.0 | 3 |
| 21 | Composite nonlinear predictive control based on finite-time disturbance observer for Mars entry vehicle. , 2015, , . | | 2 |
| 22 | Prediction of High-Cycle Fatigue Performance of 1Cr11Ni2W2MoV Stainless Steel Plate after Foreign Object Damage. International Journal of Aerospace Engineering, 2020, 2020, 1-13. | 0.5 | 2 |
| 23 | Design of Standoff Cooperative Target-Tracking Guidance Laws for Autonomous Unmanned Aerial Vehicles. Mathematical Problems in Engineering, 2021, 2021, 1-14. | 0.6 | 2 |
| 24 | Nonlinear disturbance observer enhanced predictive control for airbreathing hypersonic vehicles. , 2014, , . | | 0 |
| 25 | Continuous finite-time sliding mode control for output voltage regulation of DC-AC inverters with mismatched disturbances. , 2016, , . | | 0 |
| 26 | Event-triggered control for a class of second-order uncertain p-normal nonlinear systems. , 2019, , . | | 0 |
| 27 | Ultrasonic Fatigue Device and Behavior of High-Temperature Superalloy Inconel 718 with Self-Heating Phenomenon. Applied Sciences (Switzerland), 2020, 10, 8761. | 1.3 | 0 |