

Xuerui Wang

List of Publications by Year in descending order

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25
papers

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all docs

25
docs citations

25
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Analysis for Incremental Nonlinear Dynamic Inversion Control. Journal of Guidance, Control, and Dynamics, 2019, 42, 1116-1129.	2.8	97
2	Quadrotor Fault Tolerant Incremental Sliding Mode Control driven by Sliding Mode Disturbance Observers. Aerospace Science and Technology, 2019, 87, 417-430.	4.8	80
3	Incremental Sliding-Mode Fault-Tolerant Flight Control. Journal of Guidance, Control, and Dynamics, 2019, 42, 244-259.	2.8	74
4	High-Speed Flight of Quadrotor Despite Loss of Single Rotor. IEEE Robotics and Automation Letters, 2018, 3, 3201-3207.	5.1	48
5	Incremental Nonlinear Fault-Tolerant Control of a Quadrotor With Complete Loss of Two Opposing Rotors. IEEE Transactions on Robotics, 2021, 37, 116-130.	10.3	36
6	Quadrotor fault-tolerant incremental nonsingular terminal sliding mode control. Aerospace Science and Technology, 2019, 95, 105514.	4.8	30
7	Seamless Active Morphing Wing Simultaneous Gust and Maneuver Load Alleviation. Journal of Guidance, Control, and Dynamics, 2021, 44, 1649-1662.	2.8	25
8	Stability Analysis for Incremental Nonlinear Dynamic Inversion Control. , 2018, , .		18
9	Active Gust Load Alleviation of High-Aspect Ratio Flexible Wing Aircraft. , 2018, , .		11
10	Incremental Backstepping Sliding Mode Fault-Tolerant Flight Control. , 2019, , .		11
11	Gust Load Alleviation and Ride Quality Improvement with Incremental Nonlinear Dynamic Inversion. , 2017, , .		10
12	Incremental fault-tolerant control for a hybrid quad-plane UAV subjected to a complete rotor loss. Aerospace Science and Technology, 2022, 125, 107105.	4.8	9
13	Flexible Aircraft Gust Load Alleviation with Incremental Nonlinear Dynamic Inversion. , 2018, , .		6
14	Sensing, Actuation, and Control of the SmartX Prototype Morphing Wing in the Wind Tunnel. Actuators, 2021, 10, 107.	2.3	6
15	Nonlinear Incremental Control for Flexible Aircraft Trajectory Tracking and Load Alleviation. Journal of Guidance, Control, and Dynamics, 2022, 45, 39-57.	2.8	6
16	Event-triggered intelligent critic control with input constraints applied to a nonlinear aeroelastic system. Aerospace Science and Technology, 2022, 120, 107279.	4.8	4
17	Vision-Based Nonlinear Incremental Control for a Morphing Wing With Mechanical Imperfections. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5506-5518.	4.7	4
18	Adaptive Nonlinear Incremental Flight Control for Systems With Unknown Control Effectiveness. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 228-240.	4.7	4

#	ARTICLE	IF	CITATIONS
19	Comparison of Three Control Structures for Inducing Higher-Order Sliding Modes. , 2019, , .		3
20	Nonlinear Incremental Control for Flexible Aircraft Trajectory Tracking and Load Alleviation. , 2021, , .		3
21	Discrete-time Design and Stability Analysis for Nonlinear Incremental Fault-tolerant Flight Control. , 2022, , .		3
22	Incremental Sliding Mode Control for Aeroelastic Launch Vehicles with Propellant Slosh. , 2021, , .		2
23	Black-box Online Aerodynamic Performance Optimization for a Seamless Wing with Distributed Morphing. , 2022, , .		2
24	On structural property metrics for Model Error of linear systems. , 2016, , .		0
25	Aeroelastic Wing Demonstrator with a Distributed and Decentralized Control Architecture. , 2022, , .		0