

# Hao An

## List of Publications by Year in descending order

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30  
papers

965  
citations

623734

14  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compound control of an uncertain hypersonic vehicle model. <i>International Journal of Control</i> , 2023, 96, 94-109.	1.9	1
2	An Improved Dynamic Programming Algorithm for Mobile Robot Path Planning in Unknown Dynamic Environment. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4415-4425.	9.3	23
3	Neural longitudinal control of hypersonic vehicles with constrained aerodynamic surfaces. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2022, 236, 2788-2802.	1.3	5
4	Intelligent control of air-breathing hypersonic vehicles subject to path and angle-of-attack constraints. <i>Acta Astronautica</i> , 2022, 198, 606-616.	3.2	10
5	Multiple Lyapunov function-based longitudinal maneuver control of air-breathing hypersonic vehicles. <i>International Journal of Control</i> , 2021, 94, 286-299.	1.9	13
6	Hypersonic flight control considering parametric variations and VGI effects. <i>International Journal of Control</i> , 2021, 94, 1812-1823.	1.9	2
7	Improved Online Adjustment of Step Timing and Location for Legged Locomotion. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 102, 1.	3.4	5
8	Neural adaptive control of air-breathing hypersonic vehicles robust to actuator dynamics. <i>ISA Transactions</i> , 2021, 116, 17-29.	5.7	10
9	Simplified fault-tolerant adaptive control of air-breathing hypersonic vehicles. <i>International Journal of Control</i> , 2020, 93, 1964-1979.	1.9	12
10	Adaptive Compound Control of Air-Breathing Hypersonic Vehicles. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 4519-4532.	4.7	34
11	Simplified longitudinal control of air-breathing hypersonic vehicles with hybrid actuators. <i>Aerospace Science and Technology</i> , 2020, 104, 105936.	4.8	13
12	Low-complexity hypersonic flight control with asymmetric angle of attack constraint. <i>Nonlinear Dynamics</i> , 2020, 100, 435-449.	5.2	13
13	Scramjet Operation Guaranteed Longitudinal Control of Air-Breathing Hypersonic Vehicles. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2587-2598.	5.8	21
14	Anti-windup disturbance suppression control of feedback linearizable systems with application to hypersonic flight vehicles. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 3952-3967.	1.3	4
15	Adaptive Control of Variable Geometry Inlet Configured Air-Breathing Hypersonic Vehicles. <i>Journal of Spacecraft and Rockets</i> , 2019, 56, 1520-1530.	1.9	7
16	Switched-model-based compound control of hypersonic vehicles with input nonlinearities. <i>Nonlinear Dynamics</i> , 2019, 98, 463-476.	5.2	6
17	Adaptive control of a switched hypersonic vehicle model robust to scramjet choking and elevator fault. <i>ISA Transactions</i> , 2019, 95, 45-57.	5.7	10
18	Sliding Mode Differentiator Based Tracking Control of Uncertain Nonlinear Systems with Application to Hypersonic Flight. <i>Asian Journal of Control</i> , 2019, 21, 143-155.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Adaptive fault-tolerant control of air-breathing hypersonic vehicles robust to input nonlinearities. <i>International Journal of Control</i> , 2019, 92, 1044-1060.	1.9	35
20	Adaptive Control of Hypersonic Flight Vehicles With Limited Angle-of-Attack. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 883-894.	5.8	158
21	Fast tracking control of air-breathing hypersonic vehicles with time-varying uncertain parameters. <i>Nonlinear Dynamics</i> , 2018, 91, 1835-1852.	5.2	18
22	Differentiator based full-envelope adaptive control of air-breathing hypersonic vehicles. <i>Aerospace Science and Technology</i> , 2018, 82-83, 312-322.	4.8	22
23	Control of a time-varying hypersonic vehicle model subject to inlet un-start condition. <i>Journal of the Franklin Institute</i> , 2018, 355, 4164-4197.	3.4	20
24	Adaptive controller design for a switched model of air-breathing hypersonic vehicles. <i>Nonlinear Dynamics</i> , 2018, 94, 1851-1866.	5.2	20
25	Disturbance rejection dynamic inverse control of air-breathing hypersonic vehicles. <i>Acta Astronautica</i> , 2018, 151, 348-356.	3.2	16
26	Barrier Lyapunov function-based adaptive control for hypersonic flight vehicles. <i>Nonlinear Dynamics</i> , 2017, 88, 1833-1853.	5.2	89
27	Sliding mode disturbance observer-enhanced adaptive control for the air-breathing hypersonic flight vehicle. <i>Acta Astronautica</i> , 2017, 139, 111-121.	3.2	45
28	Approximate Back-Stepping Fault-Tolerant Control of the Flexible Air-Breathing Hypersonic Vehicle. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 1680-1691.	5.8	163
29	Disturbance Observer-Based Antiwindup Control for Air-Breathing Hypersonic Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 3038-3049.	7.9	167
30	Optimizing Allocation-Enhanced Hypersonic Flight Control with Actuator Dynamics and Constraints. <i>Journal of Spacecraft and Rockets</i> , 0, , 1-12.	1.9	6