

Hao An

List of Publications by Year in descending order

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papers

965
citations

623734

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all docs

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docs citations

30
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Disturbance Observer-Based Antiwindup Control for Air-Breathing Hypersonic Vehicles. IEEE Transactions on Industrial Electronics, 2016, 63, 3038-3049.	7.9	167
2	Approximate Back-Stepping Fault-Tolerant Control of the Flexible Air-Breathing Hypersonic Vehicle. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1680-1691.	5.8	163
3	Adaptive Control of Hypersonic Flight Vehicles With Limited Angle-of-Attack. IEEE/ASME Transactions on Mechatronics, 2018, 23, 883-894.	5.8	158
4	Barrier Lyapunov function-based adaptive control for hypersonic flight vehicles. Nonlinear Dynamics, 2017, 88, 1833-1853.	5.2	89
5	Sliding mode disturbance observer-enhanced adaptive control for the air-breathing hypersonic flight vehicle. Acta Astronautica, 2017, 139, 111-121.	3.2	45
6	Adaptive fault-tolerant control of air-breathing hypersonic vehicles robust to input nonlinearities. International Journal of Control, 2019, 92, 1044-1060.	1.9	35
7	Adaptive Compound Control of Air-Breathing Hypersonic Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4519-4532.	4.7	34
8	An Improved Dyna-Q Algorithm for Mobile Robot Path Planning in Unknown Dynamic Environment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4415-4425.	9.3	23
9	Differentiator based full-envelope adaptive control of air-breathing hypersonic vehicles. Aerospace Science and Technology, 2018, 82-83, 312-322.	4.8	22
10	Scramjet Operation Guaranteed Longitudinal Control of Air-Breathing Hypersonic Vehicles. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2587-2598.	5.8	21
11	Control of a time-varying hypersonic vehicle model subject to inlet un-start condition. Journal of the Franklin Institute, 2018, 355, 4164-4197.	3.4	20
12	Adaptive controller design for a switched model of air-breathing hypersonic vehicles. Nonlinear Dynamics, 2018, 94, 1851-1866.	5.2	20
13	Fast tracking control of air-breathing hypersonic vehicles with time-varying uncertain parameters. Nonlinear Dynamics, 2018, 91, 1835-1852.	5.2	18
14	Sliding Mode Differentiator Based Tracking Control of Uncertain Nonlinear Systems with Application to Hypersonic Flight. Asian Journal of Control, 2019, 21, 143-155.	3.0	17
15	Disturbance rejection dynamic inverse control of air-breathing hypersonic vehicles. Acta Astronautica, 2018, 151, 348-356.	3.2	16
16	Simplified longitudinal control of air-breathing hypersonic vehicles with hybrid actuators. Aerospace Science and Technology, 2020, 104, 105936.	4.8	13
17	Low-complexity hypersonic flight control with asymmetric angle of attack constraint. Nonlinear Dynamics, 2020, 100, 435-449.	5.2	13
18	Multiple Lyapunov function-based longitudinal maneuver control of air-breathing hypersonic vehicles. International Journal of Control, 2021, 94, 286-299.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Simplified fault-tolerant adaptive control of air-breathing hypersonic vehicles. International Journal of Control, 2020, 93, 1964-1979.	1.9	12
20	Adaptive control of a switched hypersonic vehicle model robust to scramjet choking and elevator fault. ISA Transactions, 2019, 95, 45-57.	5.7	10
21	Neural adaptive control of air-breathing hypersonic vehicles robust to actuator dynamics. ISA Transactions, 2021, 116, 17-29.	5.7	10
22	Intelligent control of air-breathing hypersonic vehicles subject to path and angle-of-attack constraints. Acta Astronautica, 2022, 198, 606-616.	3.2	10
23	Adaptive Control of Variable Geometry Inlet Configured Air-Breathing Hypersonic Vehicles. Journal of Spacecraft and Rockets, 2019, 56, 1520-1530.	1.9	7
24	Switched-model-based compound control of hypersonic vehicles with input nonlinearities. Nonlinear Dynamics, 2019, 98, 463-476.	5.2	6
25	Optimizing Allocation-Enhanced Hypersonic Flight Control with Actuator Dynamics and Constraints. Journal of Spacecraft and Rockets, 0, , 1-12.	1.9	6
26	Improved Online Adjustment of Step Timing and Location for Legged Locomotion. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	5
27	Neural longitudinal control of hypersonic vehicles with constrained aerodynamic surfaces. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 2788-2802.	1.3	5
28	Anti-windup disturbance suppression control of feedback linearizable systems with application to hypersonic flight vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 3952-3967.	1.3	4
29	Hypersonic flight control considering parametric variations and VGI effects. International Journal of Control, 2021, 94, 1812-1823.	1.9	2
30	Compound control of an uncertain hypersonic vehicle model. International Journal of Control, 2023, 96, 94-109.	1.9	1