Xiaoxiang Hu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/979673/publications.pdf

Version: 2024-02-01

25	658	623734	642732
papers	citations	14 h-index	23 g-index

25	25	25	556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive sliding mode tracking control for a flexible air-breathing hypersonic vehicle. Journal of the Franklin Institute, 2012, 349, 559-577.	3.4	178
2	Model predictive controlâ€based nonâ€linear fault tolerant control for airâ€breathing hypersonic vehicles. IET Control Theory and Applications, 2014, 8, 1147-1153.	2.1	74
3	Robust Adaptive Fuzzy Control for HFV With Parameter Uncertainty and Unmodeled Dynamics. IEEE Transactions on Industrial Electronics, 2018, 65, 8851-8860.	7.9	61
4	Finite-Time Cooperative Guidance Strategy for Impact Angle and Time Control. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 806-819.	4.7	58
5	Dynamic output feedback control of a flexible air-breathing hypersonic vehicle via Tâ€“S fuzzy approach. International Journal of Systems Science, 2014, 45, 1740-1756.	5.5	50
6	Adaptive Fuzzy Integral Sliding Mode Control for Flexible Air-Breathing Hypersonic Vehicles Subject to Input Nonlinearity. Journal of Aerospace Engineering, 2013, 26, 721-734.	1.4	30
7	A Novel Degradation Modeling and Prognostic Framework for Closed-Loop Systems With Degrading Actuator. IEEE Transactions on Industrial Electronics, 2020, 67, 9635-9647.	7.9	28
8	An Optimal Condition-Based Replacement Method for Systems With Observed Degradation Signals. IEEE Transactions on Reliability, 2018, 67, 1281-1293.	4.6	27
9	Fuzzy stable inversion-based output tracking for nonlinear non-minimum phase system and application to FAHVs. Journal of the Franklin Institute, 2015, 352, 5529-5550.	3.4	24
10	Adaptive sliding mode control of nonâ€linear nonâ€minimum phase system with input delay. IET Control Theory and Applications, 2017, 11, 1153-1161.	2.1	17
11	Robust Sliding Mode-Based Learning Control for MIMO Nonlinear Nonminimum Phase System in General Form. IEEE Transactions on Cybernetics, 2019, 49, 3793-3805.	9.5	17
12	An Adaptive Prognostic Approach Incorporating Inspection Influence for Deteriorating Systems. IEEE Transactions on Reliability, 2019, 68, 302-316.	4.6	16
13	Nonlinear adaptive tracking control of non-minimum phase hypersonic flight vehicles with unknown input nonlinearity. Nonlinear Dynamics, 2017, 90, 1151-1163.	5.2	15
14	Output Tracking Control for Nonminimum Phase Flexible Air-Breathing Hypersonic Vehicle Models. Journal of Aerospace Engineering, 2015, 28, .	1.4	14
15	Finiteâ€time bounded stabilisation for linear systems with finiteâ€time H ₂ â€gain constraint. IET Control Theory and Applications, 2020, 14, 1266-1275.	2.1	8
16	Sliding mode learning control for Tâ€S fuzzy system and an application to hypersonic flight vehicle. Asian Journal of Control, 2023, 25, 407-417.	3.0	8
17	Tube-Based Active Robust MPC for Uncertain Constrained Linear Systems With Time Delays. IEEE Access, 2019, 7, 125552-125561.	4.2	6
18	Adaptive tracking control of MIMO nonlinear nonminimum phase system with unknown input nonlinearity. International Journal of Robust and Nonlinear Control, 2018, 28, 596-610.	3.7	5

#	Article	IF	Citations
19	Extended state observerâ€“based sliding mode learning control for mechanical system. Measurement and Control, 2020, 53, 1395-1403.	1.8	5
20	Angular-Accelerometer-Based Flexible-State Estimation and Tracking Controller Design for Hypersonic Flight Vehicle. Aerospace, 2022, 9, 206.	2.2	5
21	Finiteâ€“Time Output Stability of Impulse Switching System With Normâ€“Bounded State Constraint. IEEE Access, 2019, 7, 82927-82938.	4.2	4
22	Robust Adaptive Fuzzy Tracking Control for Uncertain MIMO Nonlinear Nonminimum Phase System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2017-2028.	9.3	4
23	Robust Adaptive Control for Uncertain Input Delay MIMO Nonlinear Non-Minimum Phase System: A Fuzzy Approach. IEEE Access, 2020, 8, 154143-154152.	4.2	4
24	Sliding mode learning control for uncertain mechanical system: A dynamic output feedback approach. Measurement and Control, 2020, 53, 1099-1106.	1.8	0
25	Sliding Mode Based Robust Learning Control for Uncertain Linear System With Mismatched Disturbance. IEEE Access, 2021, 9, 97636-97642.	4.2	0