Chih-Chiang Chen

List of Publications by Year
in descending order

49 papers	1,585 citations	361045 20 h-index	301761 39 g-index
49 all docs	49 docs citations	49 times ranked	896 citing authors

#	Article	IF	Citations
1	Second-order sliding mode controller design with output constraint. Automatica, 2020, 112, 108704.	3.0	187
2	Fast finite-time stability and its application in adaptive control of high-order nonlinear system. Automatica, 2019, 106, 339-348.	3.0	176
3	Global Output Feedback Stabilization of a Class of Nonlinear Systems With Unknown Measurement Sensitivity. IEEE Transactions on Automatic Control, 2018, 63, 2212-2217.	3.6	123
4	Study of Nonsingular Fast Terminal Sliding-Mode Fault-Tolerant Control. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	118
5	A unified approach to finite-time stabilization of high-order nonlinear systems with an asymmetric output constraint. Automatica, 2020, 111, 108581.	3.0	99
6	Study of Nonlinear Integral Sliding Mode Fault-Tolerant Control. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1160-1168.	3.7	67
7	Smooth output feedback stabilization for a class of nonlinear systems with timeâ€varying powers. International Journal of Robust and Nonlinear Control, 2017, 27, 5113-5128.	2.1	62
8	A unified approach to finiteâ€time stabilization of highâ€order nonlinear systems with and without an output constraint. International Journal of Robust and Nonlinear Control, 2019, 29, 393-407.	2.1	62
9	Global outputâ€feedback stabilization for stochastic nonlinear systems: A doubleâ€domination approach. International Journal of Robust and Nonlinear Control, 2018, 28, 4635-4646.	2.1	61
10	Smooth output feedback stabilization of a class of planar switched nonlinear systems under arbitrary switchings. Automatica, 2017, 82, 314-318.	3.0	53
11	Global fast finite-time partial state feedback stabilization of high-order nonlinear systems with dynamic uncertainties. Information Sciences, 2019, 484, 219-236.	4.0	49
12	Fast finite-time adaptive stabilization of high-order uncertain nonlinear system with an asymmetric output constraint. Automatica, 2020, 121, 109170.	3.0	48
13	Feedback stabilisation of time-delay nonlinear systems with continuous time-varying output function. International Journal of Systems Science, 2019, 50, 244-255.	3.7	46
14	Output feedback finite-time stabilization for high-order planar systems with an output constraint. Automatica, 2020, 114, 108843.	3.0	38
15	Fixedâ€time stabilisation for a class of highâ€order nonâ€linear systems. IET Control Theory and Applications, 2018, 12, 2578-2587.	1.2	32
16	A new approach to stabilization of highâ€order nonlinear systems with an asymmetric output constraint. International Journal of Robust and Nonlinear Control, 2020, 30, 756-775.	2.1	30
17	Fast finite-time adaptive stabilization of high-order uncertain nonlinear systems with output constraint and zero dynamics. Information Sciences, 2020, 514, 571-586.	4.0	30
18	Fixed-Time Stabilization for a Class of Output-Constrained Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6498-6510.	5.9	30

#	Article	IF	Citations
19	A new approach to stabilisation of a class of nonlinear systems with an output constraint. International Journal of Control, 2020, 93, 1242-1250.	1.2	27
20	Finite-time output feedback stabilization of planar switched systems with/without an output constraint. Automatica, 2021, 131, 109728.	3.0	24
21	Smooth output feedback stabilization for a class of high-order switched nonlinear systems. Nonlinear Analysis: Hybrid Systems, 2018, 29, 34-53.	2.1	19
22	Output feedback stabilization of timeâ€delay nonlinear systems with unknown continuous timeâ€varying output function and nonlinear growth rate. International Journal of Robust and Nonlinear Control, 2020, 30, 2579-2592.	2.1	18
23	Study on vehicle active suspension system control method based on homogeneous domination approach. Asian Journal of Control, 2021, 23, 561-571.	1.9	16
24	Finite-Time Output Feedback Stabilization for a Class of Output-Constrained Planar Switched Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 164-168.	2.2	15
25	Adaptive Robust Fault-Tolerant Control Design for Wind Turbines Subject to Pitch Actuator Faults. Energies, 2021, 14, 1791.	1.6	14
26	Finite-time stabilization via output feedback for high-order planar systems subjected to an asymmetric output constraint. Nonlinear Dynamics, 2021, 104, 2347-2361.	2.7	14
27	Global Stabilization for a Class of Genuinely Nonlinear Systems With a Time-Varying Power: An Interval Homogeneous Domination Approach. IEEE Access, 2018, 6, 11255-11264.	2.6	13
28	Fast finite-time partial state feedback stabilization of high-order nonlinear systems with output constraint and dynamic uncertainties. Journal of the Franklin Institute, 2020, 357, 11189-11216.	1.9	13
29	Almost Disturbance Decoupling for a Class of Nonlinear Systems Subject to Timeâ€Delays Via Sampledâ€Data Output Feedback Control. Asian Journal of Control, 2018, 20, 568-576.	1.9	12
30	A homogeneous domination output feedback control method for active suspension of intelligent electric vehicle. Nonlinear Dynamics, 2021, 103, 1627-1644.	2.7	12
31	Global Stability of a System with State-Dependent Riccati Equation Controller. Journal of Guidance, Control, and Dynamics, 2015, 38, 2050-2054.	1.6	8
32	Global sampledâ€data outputâ€feedback stabilization for nonlinear systems with unknown measurement sensitivity. International Journal of Robust and Nonlinear Control, 2019, 29, 4909-4927.	2.1	8
33	Disturbance attenuation with fast global finiteâ€time convergence for generalized highâ€order uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2020, 30, 824-841.	2.1	8
34	Output Tracking Control via Neural Networks for High-Order Stochastic Nonlinear Systems with Dynamic Uncertainties. International Journal of Fuzzy Systems, 2021, 23, 716-726.	2.3	7
35	Prescribed-Time Stabilization of Uncertain Planar Nonlinear Systems With Output Constraints. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2887-2891.	2.2	7
36	Global output feedback stabilization for a class of nonlinear systems with multiple uncertainties. Journal of the Franklin Institute, 2021, 358, 2623-2641.	1.9	6

#	Article	IF	Citations
37	Interval homogeneous domination approach for global stabilization of nonlinear systems with time-varying powers. , 2016, , .		4
38	Output feedback stabilization for a class of highâ€order planar systems with an asymmetric output constraint. International Journal of Robust and Nonlinear Control, 2020, 30, 6994-7011.	2.1	4
39	Protection of Sensitive Loads in Distribution Systems Using a BSFCL-DVR System. Sensors, 2021, 21, 1615.	2.1	4
40	Robust output feedback control of time-delay nonlinear systems with dead-zone input and application to chemical reactor system. Nonlinear Dynamics, 2022, 109, 1617-1627.	2.7	4
41	A New Finite-Time Stabilizing Design for a Class of High-Order Uncertain Nonlinear Systems and Its Application in Maglev Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 417-424.	5.9	4
42	A Novel Approach to Fixed-Time Stabilization for a Class of Uncertain Second-Order Nonlinear Systems. Applied Sciences (Switzerland), 2020, 10, 424.	1.3	3
43	Finite-time bounded sampled-data control of switched time-delay systems with sector bounded nonlinearity. Chaos, Solitons and Fractals, 2021, 153, 111470.	2.5	3
44	Fault tolerant control of nonlinear systems via a CA-based integral sliding mode technique. , 2013, , .		2
45	Global stabilization via output feedback for a class of uncertainty nonlinear systems with time-varying delay and zero dynamics. ISA Transactions, 2023, 132, 235-245.	3.1	2
46	Study on a combined scheme by using T-S fuzzy and TSMC approaches. , 2013, , .		1
47	Global stabilization of switched nonlinear systems under arbitrary switchings via smooth output feedback. , 2017, , .		1
48	On global stability of planar systems with stateâ€dependent Riccati equation control. Asian Journal of Control, 0, , .	1.9	1
49	Global Output Feedback Stabilization for a Class of Nonlinear Cascade Systems. Mathematical Problems in Engineering, 2018, 2018, 1-13.	0.6	0