Xiangze Lin

List of Publications by Year
in descending order

65	1,987	394421	254184
papers	citations	19	43
		h-index	g-index

65	65	65	1377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	3.0	15
2	Stabilization of planar switched systems with an output constraint via output feedback. ISA Transactions, 2022, 122, 198-204.	5.7	5
3	State-Feedback Stabilization for High-Order Output-Constrained Switched Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7401-7410.	9.3	4
4	Output feedback stabilization for planar switched nonlinear systems with asymmetric output constraints. Nonlinear Analysis: Hybrid Systems, 2021, 40, 101005.	3.5	11
5	Global Event-Triggered Output Feedback Stabilization of a Class of Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4040-4047.	9.3	28
6	Finite-time stabilization of high-order output-constrained switched systems via state feedback. Applied Mathematics and Computation, 2021, 403, 125935.	2.2	8
7	Finite-time output feedback stabilization of planar switched systems with/without an output constraint. Automatica, 2021, 131, 109728.	5.0	24
8	Finite-time bounded sampled-data control of switched time-delay systems with sector bounded nonlinearity. Chaos, Solitons and Fractals, 2021, 153, 111470.	5.1	3
9	Active finite-time disturbance rejection control for attitude tracking of quad-rotor under input saturation. Journal of the Franklin Institute, 2020, 357, 11153-11170.	3.4	22
10	Output–feedback stabilization for planar output–constrained switched nonlinear systems. International Journal of Robust and Nonlinear Control, 2020, 30, 1819-1830.	3.7	30
11	Finite-time stabilization of switched neutral systems with time-varying delays via sampled-data control. Journal of the Franklin Institute, 2020, 357, 7658-7679.	3.4	3
12	Finite-time stabilization of input-delay switched systems. Applied Mathematics and Computation, 2020, 375, 125062.	2.2	13
13	Formation control for multiquadrotor aircraft: Connectivity preserving and collision avoidance. International Journal of Robust and Nonlinear Control, 2020, 30, 2352-2366.	3.7	22
14	Finite–time boundedness of switched systems with time–varying delays via sampled–data control. International Journal of Robust and Nonlinear Control, 2020, 30, 2953-2976.	3.7	18
15	State feedback stabilisation of switched non–linear systems with asymmetric output constraints. IET Control Theory and Applications, 2020, 14, 1837-1844.	2.1	8
16	Simulation of the Vibration Characteristics for Agricultural Wheeled Tractor with Implement and Front Axle Hydropneumatic Suspension. Shock and Vibration, 2019, 2019, 1-19.	0.6	4
17	Investigation into the vibration characteristics of agricultural wheeled tractor-implement system with hydro-pneumatic suspension on the front axle. Biosystems Engineering, 2019, 186, 14-33.	4.3	20
18	Accuracy improvement of positioning data in greenhouse for agricultural machinery via optimisation algorithm. Journal of Engineering, 2019, 2019, 547-551.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Thermal characteristics analysis and error prediction for lubricated multi-link high-speed precision presses. Journal of Mechanical Science and Technology, 2019, 33, 2537-2559.	1.5	7
20	Finite-time feedback stabilization of a class of input-delay systems with saturating actuators via digital control. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1281-1290.	13.1	7
21	Finite-time boundedness and finite-time weighted L_2-gain analysis for a class of neutral type switched systems with time-varying delays. International Journal of Systems Science, 2019, 50, 1703-1717.	5.5	6
22	Classification of rice planthoppers based on shape descriptors. Journal of Engineering, 2019, 2019, 8378-8382.	1.1	0
23	Dynamic modeling and error analysis of planar flexible multilink mechanism with clearance and spindle-bearing structure. Mechanism and Machine Theory, 2019, 131, 234-260.	4.5	35
24	Smooth output feedback stabilization for a class of high-order switched nonlinear systems. Nonlinear Analysis: Hybrid Systems, 2018, 29, 34-53.	3.5	19
25	An improved thermal model for characteristics analysis of multi-link ultra-precision press system. Journal of Mechanical Science and Technology, 2018, 32, 291-313.	1.5	7
26	Finite-time feedback control of an input-delay system with nonlinear saturating actuators. Transactions of the Institute of Measurement and Control, 2018, 40, 3059-3067.	1.7	3
27	Finite-time boundedness analysis for a class of neutral type switched systems with time-varying delays. , 2018, , .		1
28	Finite-Time Feedback Stabilization of an Input-Delay System via Linear Sampled-Data Control. , 2018, , .		1
29	Finite‐time stabilisation of switched linear input‐delay systems via saturating actuators. IET Control Theory and Applications, 2018, 12, 2127-2137.	2.1	9
30	Globally smooth output feedback stabilization of a class of planar switched systems with average dwell time. Nonlinear Analysis: Hybrid Systems, 2017, 24, 159-170.	3.5	17
31	Smooth output feedback stabilization for a class of nonlinear systems with time‐varying powers. International Journal of Robust and Nonlinear Control, 2017, 27, 5113-5128.	3.7	62
32	Smooth output feedback stabilization of a class of planar switched nonlinear systems under arbitrary switchings. Automatica, 2017, 82, 314-318.	5.0	53
33	Finite-time stabilization of switched linear time-delay systems with saturating actuators. Applied Mathematics and Computation, 2017, 299, 66-79.	2.2	25
34	Global stabilization of switched nonlinear systems under arbitrary switchings via smooth output feedback. , 2017, , .		1
35	Smooth output feedback stabilization for nonlinear systems with time-varying powers☆☆This work was supported by the National Chiao Tung University Short Term Research Scholarship funded by The Ministry of Education under Taiwan's 2015 Global Networking Talent Plan; and the Ministry of Science and Technology (MOST), Taipei, under grants NSC 102-2221-E-009-063-, MOST 103-2221- E-009-055-, and MOST 104-2221-E-009-075-. IFAC PapersOnLine, 2016, 49, 939-944.	0.9	4
36	Finite-time control of input-delay system with nonlinear saturating actuator. , 2016, , .		0

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37	An automatic splitting method for the adhesive piglets' gray scale image based on the ellipse shape feature. Computers and Electronics in Agriculture, 2016, 120, 53-62.	7.7	23
38	Stability of switched non‐linear systems: an output‐to‐state point of view. IET Control Theory and Applications, 2016, 10, 485-492.	2.1	4
39	Smooth state feedback stabilization for a class of planar switched nonlinear systems under arbitrary switching. , 2016, , .		4
40	Effect of Parameters of Thermal-Rate Treatment of Melt on Iron-Containing Phases in Alloy Al – 15% Si – 2.7% Fe. Metal Science and Heat Treatment, 2016, 58, 405-410.	0.6	0
41	Finite-time boundedness for switched systems with sector bounded nonlinearity and constant time delay. Applied Mathematics and Computation, 2016, 274, 25-40.	2.2	31
42	Finite-time stability of switched nonlinear systems with finite-time unstable subsystems. Journal of the Franklin Institute, 2015, 352, 1192-1214.	3.4	52
43	Finite-time H_∞ control for a class of nonlinear system with time-varying delay. Neurocomputing, 2015, 149, 1481-1489.	5.9	38
44	The parameters design of signal processing circuit for crop canopy spectrometer based on active light source. , 2014, , .		0
45	Finite-time stability analysis of switched nonlinear systems with finite-time unstable subsystems. , 2014, , .		0
46	Finite‐time stability of switched linear systems with subsystems which are not finite‐time stable. IET Control Theory and Applications, 2014, 8, 1137-1146.	2.1	40
47	Finite-time stabilization of switched linear systems with nonlinear saturating actuators. Journal of the Franklin Institute, 2014, 351, 1464-1482.	3.4	34
48	Finite‐time formation control of multiagent systems via dynamic output feedback. International Journal of Robust and Nonlinear Control, 2013, 23, 1609-1628.	3.7	82
49	An improved tuning method of fractional order proportional differentiation (FOPD) controller for the path tracking control of tractors. Biosystems Engineering, 2013, 116, 478-486.	4.3	15
50	Finite-time boundedness and finite-time l2 gain analysis of discrete-time switched linear systems with average dwell time. Journal of the Franklin Institute, 2013, 350, 911-928.	3.4	63
51	Finite‐time stability and finite‐time weighted L_2 ‐gain analysis for switched systems with time‐varying delay. IET Control Theory and Applications, 2013, 7, 1058-1069.	2.1	82
52	Finite-time consensus algorithm for multi-agent systems with double-integrator dynamics. Automatica, 2011, 47, 1706-1712.	5.0	788
53	Finite-time boundedness and L2-gain analysis for switched delay systems with norm-bounded disturbance. Applied Mathematics and Computation, 2011, 217, 5982-5993.	2.2	168
54	Set finite-time stability of a class of switched systems. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
55	Design of a Wireless Sensor Network for Farmland Monitoring. , 2010, , .		1
56	New impact-based method for measuring the velocity of solid granules. , 2009, , .		0
57	Finite time control of a boiler-turbine system. , 2009, , .		0
58	Finite-time stability and stabilization of switched linear systems. , 2009, , .		43
59	Feedback stabilization of unstable periodic orbits for chaotic passive compass-like biped robot. , 2008, , .		0
60	The stability of a class of network congestion control algorithms based on optimization theorem. , 2008, , .		0
61	Set stabilization of nonholonomic chained form systems. , 2008, , .		0
62	State feedback stabilization of invariant sets of switched systems. , 2008, , .		0
63	Finite Time Set Stabilization of Chua's Chaotic System. , 2007, , .		3
64	The Application of Fractional-Order PI Control Algorithm to the PMSM Speed-Adjusting System. , 2007, , 660-669.		8
65	Set stabilization of Chua's circuit via piece-wise linear feedbacks. Chaos, Solitons and Fractals, 2005, 26, 571-579.	5.1	6