

Xianfu Zhang

List of Publications by Year in descending order

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67
papers

1,832
citations

361296

20
h-index

276775

41
g-index

68
all docs

68
docs citations

68
times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	Leader-follower consensus of time-varying nonlinear multi-agent systems. <i>Automatica</i> , 2015, 52, 8-14.	3.0	238
2	Finite-time stabilization by state feedback control for a class of time-varying nonlinear systems. <i>Automatica</i> , 2012, 48, 499-504.	3.0	231
3	Design of Stabilizing Controllers With a Dynamic Gain for Feedforward Nonlinear Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2011, 56, 692-697.	3.6	184
4	Feedback stabilization for high order feedforward nonlinear time-delay systems. <i>Automatica</i> , 2011, 47, 962-967.	3.0	105
5	Output feedback control of large-scale nonlinear time-delay systems in lower triangular form. <i>Automatica</i> , 2013, 49, 3476-3483.	3.0	105
6	Asymptotic stabilization of high-order feedforward systems with delays in the input. <i>International Journal of Robust and Nonlinear Control</i> , 2010, 20, 1395-1406.	2.1	63
7	Leader-follower consensus of nonlinear time-delay multiagent systems: A time-varying gain approach. <i>Automatica</i> , 2021, 126, 109444.	3.0	54
8	Finite-time synchronization of nonlinear complex dynamical networks on time scales via pinning impulsive control. <i>Neurocomputing</i> , 2018, 275, 2104-2110.	3.5	49
9	Event-Triggered Output Feedback Control of Switched Nonlinear Systems With Input Saturation. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2319-2326.	6.2	46
10	Periodic event-triggered consensus of multi-agent systems under directed topology. <i>Neurocomputing</i> , 2020, 385, 33-41.	3.5	45
11	Stabilization of positive switched delay systems with all modes unstable. <i>Nonlinear Analysis: Hybrid Systems</i> , 2018, 29, 110-120.	2.1	41
12	Decentralized output feedback stabilization for a class of large-scale feedforward nonlinear time-delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2014, 24, 2628-2639.	2.1	35
13	Output-feedback control strategies of lower-triangular nonlinear nonholonomic systems in any prescribed finite time. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 904-918.	2.1	33
14	On Designing Distributed Prescribed Finite-Time Observers for Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4695-4706.	6.2	29
15	Stability analysis of positive switched impulsive systems with delay on time scales. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 6879-6890.	2.1	28
16	Design of output feedback controller for stochastic feedforward systems with unknown measurement sensitivity. <i>ISA Transactions</i> , 2020, 97, 182-188.	3.1	26
17	Prescribed-time decentralized regulation of uncertain nonlinear multi-agent systems via output feedback. <i>Systems and Control Letters</i> , 2020, 137, 104640.	1.3	26
18	A Dynamic Gain Approach to Consensus Control of Nonlinear Multiagent Systems With Time Delays. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6993-7001.	6.2	26

#	ARTICLE	IF	CITATIONS
19	Stability analysis of switched systems on time scales with all modes unstable. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019, 33, 371-379.	2.1	23
20	Exponential stability of impulsive positive switched systems with discrete and distributed time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 3125-3138.	2.1	23
21	Output feedback control of large-scale nonlinear time-delay systems with unknown measurement sensitivities. <i>IET Control Theory and Applications</i> , 2019, 13, 2122-2127.	1.2	23
22	Adaptive output feedback control for a class of large-scale output-constrained nonlinear time-delay systems. <i>IET Control Theory and Applications</i> , 2018, 12, 174-181.	1.2	22
23	Finite-time H^∞ control for nonlinear discrete Hamiltonian descriptor systems. <i>Journal of the Franklin Institute</i> , 2017, 354, 6138-6151.	1.9	21
24	Leader-follower consensus of upper-triangular nonlinear multi-agent systems. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014, 1, 210-217.	8.5	20
25	On stability analysis of nonlinear time-delay systems on time scales. <i>Systems and Control Letters</i> , 2019, 131, 104498.	1.3	20
26	Global regulation for feedforward systems with both discrete delays and distributed delays. <i>Automatica</i> , 2020, 113, 108753.	3.0	18
27	An Improved Dynamic Gain Method to Global Regulation of Feedforward Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 2981-2988.	3.6	17
28	Output feedback regulation of a class of triangular structural nonlinear systems with unknown measurement sensitivity. <i>International Journal of Systems Science</i> , 2019, 50, 2486-2496.	3.7	16
29	On designing a distributed event-triggered output feedback consensus protocol for nonlinear multiagent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7173-7185.	2.1	15
30	Decentralised regulation of nonlinear multi-agent systems with directed network topologies. <i>International Journal of Control</i> , 2017, 90, 2338-2348.	1.2	14
31	Global asymptotic stabilization for input-delay chained nonholonomic systems via the static gain approach. <i>Journal of the Franklin Institute</i> , 2018, 355, 3895-3910.	1.9	14
32	Stability analysis and control design based on average dwell time approaches for switched nonlinear port-controlled Hamiltonian systems. <i>Journal of the Franklin Institute</i> , 2019, 356, 3368-3397.	1.9	13
33	Event-triggered output feedback control for feedforward nonlinear systems with unknown measurement sensitivity. <i>Nonlinear Dynamics</i> , 2021, 104, 3781-3791.	2.7	13
34	Improved stability criteria for linear time-varying systems on time scales. <i>International Journal of Control</i> , 2020, 93, 1651-1658.	1.2	12
35	A time-varying high-gain approach to feedback regulation of uncertain time-varying nonholonomic systems. <i>ISA Transactions</i> , 2020, 98, 110-122.	3.1	12
36	Global feedback stabilisation of lower-triangular nonlinear systems in any prescribed finite time. <i>International Journal of Control</i> , 2021, 94, 2908-2918.	1.2	12

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37	Global output feedback stabilisation of a class of stochastic systems with unknown growth rate. <i>International Journal of Control</i> , 2021, 94, 977-983.	1.2	12
38	Output feedback stabilization of nonlinear systems with delays in the input. <i>Applied Mathematics and Computation</i> , 2005, 167, 1026-1040.	1.4	11
39	Razumikhin and Krasovskii methods for asymptotic stability of nonlinear delay impulsive systems on time scales. <i>Nonlinear Analysis: Hybrid Systems</i> , 2019, 32, 1-9.	2.1	11
40	On Designing Event-Triggered Output Feedback Tracking Controller for Feedforward Nonlinear Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 677-681.	2.2	11
41	Asymptotic stabilization via output feedback for nonlinear systems with delayed output. <i>International Journal of Systems Science</i> , 2006, 37, 599-607.	3.7	10
42	Quantized control for the class of feedforward nonlinear systems. <i>Science China Information Sciences</i> , 2019, 62, 1.	2.7	9
43	Consensus control of feedforward nonlinear multi-agent systems: a time-varying gain method. <i>Control Theory and Technology</i> , 2022, 20, 46-53.	1.0	8
44	Global practical tracking via disturbance rejection control for uncertain nonlinear systems with quantized input and output. <i>Science China Information Sciences</i> , 2022, 65, 1.	2.7	7
45	Fixed-time stability analysis and stabilization control of a class of nonlinear systems with output constraints. <i>International Journal of Robust and Nonlinear Control</i> , 0, , .	2.1	7
46	Tracking control for nonlinear time-delay multiagent systems with input saturation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 127-140.	2.3	6
47	Design of adaptive tracking controller using barrier functions for nonlinear systems with input saturation. <i>Journal of the Franklin Institute</i> , 2020, 357, 12555-12570.	1.9	6
48	Sampled-data observer based event-triggered leader-follower consensus for uncertain nonlinear multi-agent systems†. <i>Neurocomputing</i> , 2022, 493, 305-313.	3.5	6
49	Output feedback tracking control for lower-triangular nonlinear time-delay systems with asymmetric input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 3471-3483.	2.1	5
50	Stability Analysis of Discrete-Time Switched Systems With Unstable Modes: An Improved Ratio-Based Tradeoff Approach. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 431-435.	2.2	5
51	Output feedback regulation of large-scale feedforward systems with discrete and distributed delays. <i>Nonlinear Dynamics</i> , 2021, 103, 2659-2669.	2.7	5
52	Periodic event-triggered bipartite consensus for multi-agent systems with partial information transmission. <i>Asian Journal of Control</i> , 0, , .	1.9	5
53	Control design for switched port-controlled Hamiltonian systems with unstabilizable modes: An improved mode-dependent average dwell time scheme. <i>Nonlinear Analysis: Hybrid Systems</i> , 2020, 38, 100944.	2.1	4
54	Event-triggered decentralised control for large-scale systems with actuator failures. <i>International Journal of Systems Science</i> , 2021, 52, 1414-1425.	3.7	4

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55	Output Feedback Stabilization for a Class of Cascade Nonlinear ODE-PDE Systems. International Journal of Control, Automation and Systems, 2021, 19, 2519-2528.	1.6	4
56	Adaptive tracking control of uncertain large-scale nonlinear time-delay systems with input saturation. International Journal of Systems Science, 2021, 52, 3254-3265.	3.7	4
57	Sampled-Data Integral Control of Nonholonomic Systems With Unknown Constant Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2792-2796.	2.2	4
58	\mathcal{H}_∞ output feedback control for large-scale nonlinear systems with time delay in both state and input. Control Theory and Technology, 2021, 19, 384-391.	1.0	3
59	Event-triggered tracking control for a family of nonlinear systems via output feedback. IET Control Theory and Applications, 2020, 14, 2154-2162.	1.2	3
60	Finite-time adaptive control for port-controlled Hamiltonian systems with parametric perturbations. International Journal of Adaptive Control and Signal Processing, 2022, 36, 802-817.	2.3	3
61	Actuator Failure Compensation Control Scheme of the Nonlinear Triangular Systems by Static Gain Technique. International Journal of Control, Automation and Systems, 2020, 18, 2297-2305.	1.6	2
62	Exponential stability for nonlinear systems with time delay on time scales via Wirtinger-based inequality. , 2017, , .		1
63	Global regulation by output feedback for feedforward systems with time delays. International Journal of Control, 2022, 95, 2924-2930.	1.2	1
64	Event-Triggered Communication-Based Control for Strict-Feedback Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, PP, 1-10.	6.2	1
65	Event-Triggered-Based Distributed Consensus Tracking for Nonlinear Multiagent Systems With Quantization. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1501-1511.	7.2	1
66	Global stabilization of switched nonlinear time-delay systems with unknown measurement sensitivities. , 2021, , .		0
67	Sampled-data-based Event-triggered Control for Multi-agent Systems under Antagonistic Interactions. International Journal of Control, Automation and Systems, 0, , .	1.6	0