

# Zong-Yao Sun

## List of Publications by Year in descending order

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86  
papers

2,996  
citations

159585

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h-index

175258

52  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed-Time Adaptive Neural Network Control for Nonlinear Systems With Input Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1911-1920.	11.3	36
2	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.	9.3	4
3	Finite-Time Adaptive Fuzzy Event-Triggered Control of Constrained Nonlinear Systems via Bounded Command Filter. IEEE Transactions on Fuzzy Systems, 2023, 31, 117-128.	9.8	5
4	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.	5.7	2
5	Global Finite-Time Stabilization for Uncertain Systems With Unknown Measurement Sensitivity. IEEE Transactions on Cybernetics, 2022, 52, 7602-7611.	9.5	6
6	An adaptive homogeneous domination method to time-varying control of nonlinear systems. International Journal of Robust and Nonlinear Control, 2022, 32, 527-540.	3.7	6
7	Finite-time state-feedback stabilization of high-order stochastic nonlinear systems with an asymmetric output constraint. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1691-1701.	4.1	10
8	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.	5.2	4
9	Finite-time stabilization of maglev system with an output constraint. Asian Journal of Control, 2021, 23, 2874-2878.	3.0	5
10	Robust control of high-order nonlinear systems with unknown measurement sensitivity. Science China Information Sciences, 2021, 64, 1.	4.3	4
11	Output feedback stabilization for power-integrator systems with unknown measurement sensitivity. Science China Information Sciences, 2021, 64, 1.	4.3	2
12	New results on explicit adaptive control design for nonlinear systems with polynomial conditions. International Journal of Robust and Nonlinear Control, 2021, 31, 324-342.	3.7	11
13	Robust Stabilization of High-Order Nonlinear Systems With Unknown Sensitivities and Applications in Humanoid Robot Manipulation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4409-4416.	9.3	19
14	Study on vehicle active suspension system control method based on homogeneous domination approach. Asian Journal of Control, 2021, 23, 561-571.	3.0	16
15	Adaptive Intelligent Control for Input and Output Constrained High-Order Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5577-5586.	9.3	19
16	A homogeneous domination output feedback control method for active suspension of intelligent electric vehicle. Nonlinear Dynamics, 2021, 103, 1627-1644.	5.2	12
17	Output Tracking Control via Neural Networks for High-Order Stochastic Nonlinear Systems with Dynamic Uncertainties. International Journal of Fuzzy Systems, 2021, 23, 716-726.	4.0	7
18	Nonlinear lateral motion stability control method for electric vehicle based on the combination of dual extended state observer and domination approach via sampled-data output feedback. Transactions of the Institute of Measurement and Control, 2021, 43, 2258-2271.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Global output feedback stabilization for a class of nonlinear systems with multiple uncertainties. <i>Journal of the Franklin Institute</i> , 2021, 358, 2623-2641.	3.4	6
20	High Velocity Lane Keeping Control Method Based on the Non-Smooth Finite-Time Control for Electric Vehicle Driven by Four Wheels Independently. <i>Electronics (Switzerland)</i> , 2021, 10, 760.	3.1	4
21	Finite-time stabilization via output feedback for high-order planar systems subjected to an asymmetric output constraint. <i>Nonlinear Dynamics</i> , 2021, 104, 2347-2361.	5.2	14
22	Fast finite-time partial state feedback stabilization of high-order nonlinear systems with output constraint and dynamic uncertainties. <i>Journal of the Franklin Institute</i> , 2020, 357, 11189-11216.	3.4	13
23	A new approach to stabilisation of a class of nonlinear systems with an output constraint. <i>International Journal of Control</i> , 2020, 93, 1242-1250.	1.9	27
24	Global stabilisation for a class of upper-triangular nonlinear systems with unmodelled dynamics and time-delay. <i>International Journal of Control</i> , 2020, 93, 1147-1158.	1.9	9
25	A unified approach to finite-time stabilization of high-order nonlinear systems with an asymmetric output constraint. <i>Automatica</i> , 2020, 111, 108581.	5.0	99
26	Disturbance attenuation with fast global finite-time convergence for generalized high-order uncertain nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 824-841.	3.7	8
27	Output tracking control of high-order nonlinear systems with dynamic uncertainties. <i>Transactions of the Institute of Measurement and Control</i> , 2020, 42, 1511-1520.	1.7	2
28	Fast finite-time adaptive stabilization of high-order uncertain nonlinear systems with output constraint and zero dynamics. <i>Information Sciences</i> , 2020, 514, 571-586.	6.9	30
29	Fast finite-time adaptive stabilization of high-order uncertain nonlinear system with an asymmetric output constraint. <i>Automatica</i> , 2020, 121, 109170.	5.0	48
30	Optimisation control via the distributed model predictive method for nonlinear time-delay systems. <i>International Journal of Systems Science</i> , 2020, 51, 3339-3346.	5.5	2
31	Command filter-based event-triggered adaptive neural network control for uncertain nonlinear time-delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 6363-6382.	3.7	23
32	Fast finite-time adaptive event-triggered tracking for uncertain nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 7806-7821.	3.7	15
33	Output feedback regulation of time-delay nonlinear systems with unknown continuous output function and unknown growth rate. <i>Nonlinear Dynamics</i> , 2020, 100, 1309-1325.	5.2	17
34	Adaptive event-triggered global fast finite-time control for a class of uncertain nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 3773-3785.	3.7	36
35	Output feedback finite-time stabilization for high-order planar systems with an output constraint. <i>Automatica</i> , 2020, 114, 108843.	5.0	38
36	Command Filter-Based Finite-Time Adaptive Fuzzy Control for Uncertain Nonlinear Systems With Prescribed Performance. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 3161-3170.	9.8	179

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37	Output feedback stabilization of time-delay nonlinear systems with unknown continuous time-varying output function and nonlinear growth rate. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 2579-2592.	3.7	18
38	Global stabilization of lower-triangular nonlinear systems with delayed input and delayed state. <i>Journal of the Franklin Institute</i> , 2020, 357, 5720-5734.	3.4	4
39	Homogeneous Domination Control for Uncertain Nonlinear Systems via Interval Homogeneity With Monotone Degrees. <i>IEEE Access</i> , 2020, 8, 48632-48641.	4.2	4
40	Finite-time active shimmy control based on uncertain disturbance observer for electric vehicle with independent suspension. <i>IET Intelligent Transport Systems</i> , 2020, 14, 1835-1844.	3.0	5
41	New results on robust tracking control for a class of high-order nonlinear time-delay systems. <i>International Journal of Systems Science</i> , 2019, 50, 2002-2014.	5.5	7
42	Global fast finite-time partial state feedback stabilization of high-order nonlinear systems with dynamic uncertainties. <i>Information Sciences</i> , 2019, 484, 219-236.	6.9	49
43	Robust output feedback tracking control for a class of high-order time-delay nonlinear systems with input dead-zone and disturbances. <i>Nonlinear Dynamics</i> , 2019, 97, 921-935.	5.2	25
44	Fast finite-time stability and its application in adaptive control of high-order nonlinear system. <i>Automatica</i> , 2019, 106, 339-348.	5.0	176
45	Disturbance attenuation via double-domination approach for feedforward nonlinear system with unknown output function. <i>Nonlinear Dynamics</i> , 2019, 96, 2523-2533.	5.2	21
46	Feedback stabilisation of time-delay nonlinear systems with continuous time-varying output function. <i>International Journal of Systems Science</i> , 2019, 50, 244-255.	5.5	46
47	Lateral motion stability control of electric vehicle via sampled-data state feedback by almost disturbance decoupling. <i>International Journal of Control</i> , 2019, 92, 734-744.	1.9	14
48	Integrated stability control of AFS and DYC for electric vehicle based on non-smooth control. <i>International Journal of Systems Science</i> , 2018, 49, 1518-1528.	5.5	64
49	Almost Disturbance Decoupling for a Class of Nonlinear Systems Subject to Time-Delays Via Sampled-Data Output Feedback Control. <i>Asian Journal of Control</i> , 2018, 20, 568-576.	3.0	12
50	Global Output Feedback Stabilization of a Class of Nonlinear Systems With Unknown Measurement Sensitivity. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 2212-2217.	5.7	123
51	Fixed-time stabilisation for a class of high-order nonlinear systems. <i>IET Control Theory and Applications</i> , 2018, 12, 2578-2587.	2.1	32
52	Adaptive Fuzzy Control of Strict-Feedback Nonlinear Time-Delay Systems with Full-State Constraints. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 2556-2565.	4.0	24
53	Finite-time Controller Design for Four-wheel-steering of Electric Vehicle Driven by Four In-wheel Motors. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1814-1823.	2.7	22
54	A new approach to global stabilization of high-order time-delay uncertain nonlinear systems via time-varying feedback and homogeneous domination. <i>Journal of the Franklin Institute</i> , 2018, 355, 6469-6492.	3.4	20

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55	Global Output Feedback Stabilization for a Class of Nonlinear Cascade Systems. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-13.	1.1	0
56	Global output feedback stabilization for stochastic nonlinear systems: A double domination approach. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 4635-4646.	3.7	61
57	Output tracking control for generalised high-order nonlinear system with serious uncertainties. <i>International Journal of Control</i> , 2017, 90, 322-333.	1.9	22
58	Output feedback control for a class of high-order nonholonomic systems with complicated nonlinearity and time-varying delay. <i>Journal of the Franklin Institute</i> , 2017, 354, 4289-4310.	3.4	20
59	Smooth output feedback stabilization for a class of nonlinear systems with time-varying powers. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 5113-5128.	3.7	62
60	A new approach to fast global finite-time stabilization of high-order nonlinear system. <i>Automatica</i> , 2017, 81, 455-463.	5.0	209
61	Global asymptotic output tracking of nonlinear second-order systems with power integrators. <i>Automatica</i> , 2017, 80, 156-161.	5.0	77
62	Adaptive disturbance attenuation for generalized high-order uncertain nonlinear systems. <i>Automatica</i> , 2017, 80, 102-109.	5.0	101
63	Output tracking control for generalized high-order nonlinear system with almost disturbance decoupling. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 2570-2578.	2.7	6
64	Global adaptive stabilization for high-order uncertain time-varying nonlinear systems with time-delays. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 2198-2217.	3.7	32
65	Adaptive almost disturbance decoupling for a class of uncertain nonlinear systems. , 2017, , .		1
66	Global stabilization via nested saturation function for high-order feedforward nonlinear systems with unknown time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 3363-3387.	3.7	27
67	A unified time-varying feedback approach and its applications in adaptive stabilization of high-order uncertain nonlinear systems. <i>Automatica</i> , 2016, 70, 249-257.	5.0	110
68	Tracking control design for a class of generalized high-order nonlinear systems with serious uncertainties. , 2016, , .		0
69	Adaptive control for high-order time-delay uncertain nonlinear system and application to chemical reactor system. <i>International Journal of Adaptive Control and Signal Processing</i> , 2015, 29, 224-241.	4.1	30
70	New results on global stabilization for time-delay nonlinear systems with low-order and high-order growth conditions. <i>International Journal of Robust and Nonlinear Control</i> , 2015, 25, 878-899.	3.7	56
71	A new approach to finite-time adaptive stabilization of high-order uncertain nonlinear system. <i>Automatica</i> , 2015, 58, 60-66.	5.0	248
72	Output feedback stabilization for high-order uncertain feedforward time-delay nonlinear systems. <i>Journal of the Franklin Institute</i> , 2015, 352, 5308-5326.	3.4	39

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73	Adaptive Control Design for a Class of Uncertain High-Order Nonlinear Systems with Time Delay. Asian Journal of Control, 2015, 17, 535-543.	3.0	40
74	Adaptive control of inherently time-delay nonlinear systems with nonlinear parameterization. , 2014, , .		0
75	Tracking Control Design for Nonholonomic Mechanical Systems with Affine Constraints. International Journal of Automation and Computing, 2014, 11, 328-333.	4.5	10
76	Global continuous output-feedback stabilization for a class of high-order nonlinear systems with multiple time delays. Journal of the Franklin Institute, 2014, 351, 4334-4356.	3.4	54
77	Global stabilisation of high-order nonlinear systems with multiple time delays. International Journal of Control, 2013, 86, 768-778.	1.9	51
78	Continuous global stabilisation of high-order time-delay nonlinear systems. International Journal of Control, 2013, 86, 994-1007.	1.9	92
79	Global Adaptive Stabilization of High-order Nonlinear Systems with Zero Dynamics. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1025-1032.	1.5	3
80	Adaptive stabilisation for a large class of high-order uncertain non-linear systems. International Journal of Control, 2009, 82, 1275-1287.	1.9	40
81	Adaptive Practical Output Tracking Control for High-order Nonlinear Uncertain Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 34, 984-988.	0.3	20
82	Adaptive Practical Output Tracking Control for High-order Nonlinear Uncertain Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2008, 34, 984-989.	1.5	37
83	Adaptive state-feedback stabilization for a class of high-order nonlinear uncertain systems. Automatica, 2007, 43, 1772-1783.	5.0	112
84	State-Feedback Adaptive Stabilizing Control Design for a Class of High-Order Nonlinear Systems with Unknown Control Coefficients. Journal of Systems Science and Complexity, 2007, 20, 350-361.	2.8	9
85	Stabilizing Control Design for a Class of High-order Nonlinear Systems with Unknown but Identical Control Coefficients. Zidonghua Xuebao/Acta Automatica Sinica, 2007, 33, 0331.	0.3	19
86	State-Feedback Adaptive Stabilizing Control Design for a Class of High-Order Nonlinear Systems with Unknown Control Coefficients. , 2006, , .		0