

Xue-Jun Xie

List of Publications by Year in descending order

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129
docs citations

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1517
citing authors

#	ARTICLE	IF	CITATIONS
1	Output Feedback Stabilization of High-Order Nonlinear Time-Delay Systems With Low-Order and High-Order Nonlinearities. IEEE/CAA Journal of Automatica Sinica, 2024, 11, 1304-1306.	8.5	0
2	Adaptive finite-time stabilisation of output-constrained low-order uncertain nonlinear systems with time-varying powers. International Journal of Control, 2023, 96, 1133-1145.	1.2	1
3	Asymptotic Tracking Control of State-Constrained Nonlinear Systems With Time-Varying Powers. IEEE Transactions on Cybernetics, 2022, 52, 4073-4078.	6.2	9
4	Removing feasibility conditions on practical preassigned finite-time tracking for state-constrained high-order nonlinear systems. International Journal of Control, 2022, 95, 473-481.	1.2	3
5	Removing Feasibility Conditions on Adaptive Neural Tracking Control of Nonlinear Time-Delay Systems With Time-Varying Powers, Input, and Full-State Constraints. IEEE Transactions on Cybernetics, 2022, 52, 2553-2564.	6.2	16
6	Adaptive Fuzzy Asymptotic Tracking Control of State-Constrained High-Order Nonlinear Time-Delay Systems and Its Applications. IEEE Transactions on Cybernetics, 2022, 52, 1671-1680.	6.2	26
7	Further Results on Adaptive Practical Tracking for High-Order Nonlinear Systems With Full-State Constraints. IEEE Transactions on Cybernetics, 2022, 52, 9978-9985.	6.2	13
8	Finite-time stabilization of output-constrained stochastic high-order nonlinear systems with high-order and low-order nonlinearities. Automatica, 2022, 136, 110085.	3.0	28
9	Adaptive preassigned finite-time stability of nonlinear systems with time-varying powers and full-state constraints. International Journal of Robust and Nonlinear Control, 2022, 32, 2200-2211.	2.1	4
10	Output feedback stabilization of stochastic planar nonlinear systems with output constraint. Automatica, 2022, 143, 110471.	3.0	14
11	Adaptive fuzzy asymptotical tracking control of nonlinear systems with unmodeled dynamics and quantized actuator. Information Sciences, 2021, 575, 779-792.	4.0	55
12	Adaptive Control of Full-State Constrained High-Order Nonlinear Systems With Time-Varying Powers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5189-5197.	5.9	26
13	Removing Feasibility Conditions on Tracking Control of Full-State Constrained Nonlinear Systems With Time-Varying Powers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6535-6543.	5.9	22
14	Robust Adaptive Control for State-Constrained Nonlinear Systems With Input Saturation and Unknown Control Direction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1192-1202.	5.9	63
15	Stabilisation of high-order nonlinear systems with full-state constraints and input saturation. International Journal of Control, 2021, 94, 999-1009.	1.2	14
16	Adaptive Tracking for Uncertain MIMO Nonlinear Systems With Time-Varying Parameters and Bounded Disturbance. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4479-4491.	5.9	15
17	Finite-time stabilization of stochastic low-order nonlinear systems with time-varying orders and FT-SISS inverse dynamics. Automatica, 2021, 125, 109418.	3.0	31
18	Adaptive state-feedback stabilization of state-constrained stochastic high-order nonlinear systems. Science China Information Sciences, 2021, 64, 1.	2.7	33

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19	State feedback stabilization of stochastic nonlinear time-delay systems: a dynamic gain method. Science China Information Sciences, 2021, 64, 1.	2.7	11
20	Adaptive Fuzzy Preassigned Finite-Time Tracking of High-Order Nonlinear Systems With Full-State Constraints. , 2021, , .		0
21	Global output feedback control of feedforward nonlinear time-delay systems with unknown output function. International Journal of Control, 2020, 93, 1942-1953.	1.2	4
22	Adaptive Fuzzy Control for High-Order Nonlinear Time-Delay Systems With Full-State Constraints and Input Saturation. IEEE Transactions on Fuzzy Systems, 2020, 28, 1652-1663.	6.5	68
23	Adaptive Neural Output-Feedback Decentralized Control for Large-Scale Nonlinear Systems With Stochastic Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 972-983.	7.2	167
24	Stability analysis of random nonlinear systems with time-varying delay and its application. Automatica, 2020, 117, 108994.	3.0	26
25	Adaptive State-Feedback Stabilization of Stochastic High-Order Nonlinear Systems With Time-Varying Powers and Stochastic Inverse Dynamics. IEEE Transactions on Automatic Control, 2020, 65, 5360-5367.	3.6	20
26	Adaptive finite-time fuzzy control of full-state constrained high-order nonlinear systems without feasibility conditions and its application. Neurocomputing, 2020, 399, 86-95.	3.5	19
27	Output feedback control of feedforward nonlinear systems with unknown output function and input matching uncertainty. International Journal of Systems Science, 2020, 51, 971-986.	3.7	4
28	Removing Feasibility Conditions on Adaptive Fuzzy Control of State-Constrained High-Order Nonlinear Systems. , 2020, , .		0
29	Stability analysis of nonlinear time-varying systems with bounded and unbounded delays. Journal of the Franklin Institute, 2020, 357, 6968-6978.	1.9	6
30	Mathematical Theories and Applications for Nonlinear Control Systems. Mathematical Problems in Engineering, 2019, 2019, 1-6.	0.6	2
31	Adaptive finite-time stabilization of stochastic nonlinear systems with the powers of positive odd rational numbers. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1425-1439.	2.3	7
32	Observer-based decentralized control of large-scale stochastic high-order feedforward systems with multi time delays. Journal of the Franklin Institute, 2019, 356, 9627-9645.	1.9	12
33	Global output feedback control of nonlinear time-delay systems with input matching uncertainty and unknown output function. International Journal of Systems Science, 2019, 50, 713-725.	3.7	13
34	Finite-time output-feedback stabilization of high-order nonholonomic systems. International Journal of Robust and Nonlinear Control, 2019, 29, 2695-2711.	2.1	22
35	Output feedback control of uncertain feedforward nonlinear time-delay systems with unknown output function. , 2019, , .		0
36	Dynamic State Feedback Stabilization of Stochastic Cascade Nonlinear Time-Delay Systems With SISS Inverse Dynamics. IEEE Transactions on Automatic Control, 2019, 64, 5132-5139.	3.6	38

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37	Global output feedback control for uncertain nonlinear feedforward systems. International Journal of Control, 2019, 92, 2360-2368.	1.2	10
38	Finite-Time Stabilization of Stochastic High-Order Nonlinear Systems With FT-SISS Inverse Dynamics. IEEE Transactions on Automatic Control, 2019, 64, 313-320.	3.6	108
39	Global Adaptive Stabilization and Tracking Control for High-Order Stochastic Nonlinear Systems With Time-Varying Delays. IEEE Transactions on Automatic Control, 2018, 63, 2928-2943.	3.6	64
40	Adaptive finite-time stabilisation of high-order uncertain nonlinear systems. International Journal of Control, 2018, 91, 2159-2169.	1.2	14
41	Finite-time output feedback stabilization of high-order uncertain nonlinear systems. International Journal of Control, 2018, 91, 1338-1349.	1.2	13
42	Output feedback stabilization of stochastic feedforward nonlinear time-delay systems with unknown output function. International Journal of Robust and Nonlinear Control, 2018, 28, 266-280.	2.1	30
43	Finite-time stabilization of stochastic low-order nonlinear systems with FT-SISS inverse dynamics. International Journal of Robust and Nonlinear Control, 2018, 28, 1960-1972.	2.1	15
44	Exponential tracking of adaptive control systems. Science China Information Sciences, 2018, 61, 1.	2.7	8
45	State bounding for nonlinear time-varying systems with delay and disturbance. Journal of the Franklin Institute, 2018, 355, 8213-8224.	1.9	10
46	Adaptive finite-time control of uncertain nonlinear systems with the powers of odd rational numbers. International Journal of Systems Science, 2018, 49, 2912-2922.	3.7	7
47	Adaptive state feedback stabilization of more general stochastic high-order nonholonomic systems. International Journal of Adaptive Control and Signal Processing, 2018, 32, 1222-1242.	2.3	4
48	Output feedback stabilization of high-order nonlinear systems with polynomial nonlinearity. Journal of the Franklin Institute, 2018, 355, 6579-6596.	1.9	6
49	Disturbance attenuation via output feedback for nonlinear systems with input matching uncertainty. International Journal of Systems Science, 2018, 49, 2309-2317.	3.7	5
50	Robust adaptive neural control for pure-feedback stochastic nonlinear systems with Prandtl-Ishlinskii hysteresis. Neurocomputing, 2018, 314, 169-176.	3.5	16
51	Further results on output-feedback stabilization of stochastic upper-triangular systems with state and input time-delays. Transactions of the Institute of Measurement and Control, 2018, 40, 2408-2415.	1.1	3
52	Output feedback stabilisation for nonlinear systems with unknown output function and control coefficients and its application. International Journal of Control, 2017, 90, 1027-1036.	1.2	34
53	Output feedback stabilisation of high-order nonlinear feedforward time-delay systems. International Journal of Systems Science, 2017, 48, 1692-1707.	3.7	3
54	Continuous output feedback control for a class of switched high-order planar systems and its application. International Journal of Robust and Nonlinear Control, 2017, 27, 4323-4332.	2.1	7

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55	Global output feedback stabilisation of nonlinear time-delay systems with unknown output function. International Journal of Systems Science, 2017, 48, 2554-2564.	3.7	10
56	Global practical tracking for stochastic time-delay nonlinear systems with SISS-like inverse dynamics. Science China Information Sciences, 2017, 60, 1.	2.7	23
57	Output feedback stabilisation of stochastic nonlinear time-delay systems with unknown output function. International Journal of Systems Science, 2017, 48, 2262-2271.	3.7	12
58	Stabilization of Positive Switched Linear Systems and Its Application in Consensus of Multiagent Systems. IEEE Transactions on Automatic Control, 2017, 62, 6608-6613.	3.6	119
59	New results on the fourth moment exponentially stable for a class of stochastic nonlinear systems and its application. Nonlinear Dynamics, 2017, 89, 1279-1287.	2.7	3
60	Semi-global output feedback control for nonlinear systems with uncertain time-delay and output function. International Journal of Robust and Nonlinear Control, 2017, 27, 2549-2566.	2.1	28
61	Output feedback stabilization of stochastic nonlinear systems with unknown output function. , 2017, , .		0
62	Adaptive Finite-Time Stabilization of High-Order Nonlinear Systems with Dynamic and Parametric Uncertainties. Mathematical Problems in Engineering, 2016, 2016, 1-11.	0.6	4
63	Output feedback stabilization of stochastic feedforward nonlinear systems with input and state delay. International Journal of Robust and Nonlinear Control, 2016, 26, 1422-1436.	2.1	31
64	Finite-time Stabilization of Stochastic High-Order Nonlinear Systems. Asian Journal of Control, 2016, 18, 2244-2255.	1.9	14
65	Finite-time output feedback stabilization of nonlinear high-order feedforward systems. International Journal of Robust and Nonlinear Control, 2016, 26, 1794-1814.	2.1	43
66	Finite-time state feedback stabilisation of stochastic high-order nonlinear feedforward systems. International Journal of Control, 2016, 89, 1332-1341.	1.2	32
67	Adaptive control for high-order time-delay uncertain nonlinear system and application to chemical reactor system. International Journal of Adaptive Control and Signal Processing, 2015, 29, 224-241.	2.3	30
68	Global output feedback stabilisation of stochastic high-order feedforward nonlinear systems with time-delay. International Journal of Control, 2015, 88, 2477-2487.	1.2	26
69	Global state feedback stabilization of high-order nonlinear systems with multiple time-varying delays. Journal of the Franklin Institute, 2015, 352, 271-290.	1.9	14
70	Adaptive control of inherently time-delay nonlinear systems with nonlinear parameterization. , 2014, , .		0
71	State Feedback Stabilization of Stochastic Feedforward Nonlinear Systems with Input Time-delay. Zidonghua Xuebao/Acta Automatica Sinica, 2014, 40, 2972-2976.	1.5	14
72	Further results on global state feedback stabilization of nonlinear high-order feedforward systems. ISA Transactions, 2014, 53, 341-346.	3.1	22

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73	Further results on state feedback stabilization of stochastic high-order nonlinear systems. Science China Information Sciences, 2014, 57, 1-14.	2.7	14
74	Global stabilization of stochastic high-order feedforward nonlinear systems with time-varying delay. Automatica, 2014, 50, 203-210.	3.0	93
75	Output feedback tracking control of stochastic Lagrangian systems and its application. Automatica, 2014, 50, 1424-1433.	3.0	52
76	A Combined Homogeneous Domination and Sign Function Approach to Output-Feedback Stabilization of Stochastic High-Order Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1303-1309.	3.6	99
77	Global state feedback stabilisation of nonlinear systems with high-order and low-order nonlinearities. International Journal of Control, 2014, 87, 642-652.	1.2	23
78	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.	1.9	54
79	A Homogeneous Domination Approach to State Feedback of Stochastic High-Order Nonlinear Systems With Time-Varying Delay. IEEE Transactions on Automatic Control, 2013, 58, 494-499.	3.6	132
80	State feedback stabilization for stochastic feedforward nonlinear systems with time-varying delay. Automatica, 2013, 49, 936-942.	3.0	121
81	Global stabilisation of high-order nonlinear systems with multiple time delays. International Journal of Control, 2013, 86, 768-778.	1.2	51
82	Modeling and adaptive tracking for a class of stochastic Lagrangian control systems. Automatica, 2013, 49, 770-779.	3.0	110
83	Continuous global stabilisation of high-order time-delay nonlinear systems. International Journal of Control, 2013, 86, 994-1007.	1.2	92
84	Output Feedback Stabilization Using Small-Gain Method and Reduced-Order Observer for Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2013, 58, 523-529.	3.6	51
85	Dynamics Modeling and Tracking Control of Robot Manipulators in Random Vibration Environment. IEEE Transactions on Automatic Control, 2013, 58, 1540-1545.	3.6	55
86	A homogeneous domination approach to state feedback of stochastic high-order feedforward nonlinear systems. International Journal of Control, 2013, 86, 966-976.	1.2	34
87	Adaptive State-Feedback Stabilization for High-Order Stochastic Nonlinear Systems Driven by Noise of Unknown Covariance. Mathematical Problems in Engineering, 2012, 2012, 1-13.	0.6	5
88	Output feedback control for high-order stochastic nonlinear time-delay systems. , 2012, , .		0
89	Stochastic Barbalat's Lemma and Its Applications. IEEE Transactions on Automatic Control, 2012, 57, 1537-1543.	3.6	76
90	Further results on output feedback stabilization for stochastic high-order nonlinear systems with time-varying delay. Automatica, 2012, 48, 2577-2586.	3.0	111

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91	Further Results on Output-feedback Regulation of Nonlinear Systems with iISS Inverse Dynamics. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 865-870.	1.5	0
92	Reduced-order observer-based output feedback regulation for a class of nonlinear systems with iISS inverse dynamics. International Journal of Control, 2012, 85, 1942-1951.	1.2	21
93	State-feedback stabilization for stochastic high-order nonlinear systems with SISS inverse dynamics. Asian Journal of Control, 2012, 14, 207-216.	1.9	38
94	Output-feedback Regulation of Nonlinear Systems with iISS Inverse Dynamics. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 865-869.	0.3	2
95	Theory of Stochastic Dissipative Systems. IEEE Transactions on Automatic Control, 2011, 56, 1650-1655.	3.6	62
96	Further Results on Output-Feedback Stabilization for a Class of Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2011, 56, 1208-1213.	3.6	78
97	State-Feedback Control of High-Order Stochastic Nonlinear Systems with SiISS Inverse Dynamics. IEEE Transactions on Automatic Control, 2011, 56, 1921-1926.	3.6	125
98	Output-Feedback Stabilization of Stochastic High-Order Nonlinear Systems under Weaker Conditions. SIAM Journal on Control and Optimization, 2011, 49, 1262-1282.	1.1	147
99	Output-feedback stabilization for stochastic high-order nonlinear systems with time-varying delay. Automatica, 2011, 47, 2772-2779.	3.0	161
100	State feedback stabilization of stochastic nonlinear systems with SiISS inverse dynamics. International Journal of Robust and Nonlinear Control, 2011, 21, 1903-1919.	2.1	18
101	Decentralized adaptive output-feedback control for stochastic interconnected systems with stochastic unmodeled dynamic interactions. International Journal of Adaptive Control and Signal Processing, 2011, 25, 740-757.	2.3	28
102	Output feedback control using small-gain conditions for stochastic nonlinear systems with SISS inverse dynamics. International Journal of Control, 2011, 84, 47-56.	1.2	31
103	Robustness analysis of discrete-time indirect model reference adaptive control with normalized adaptive laws. International Journal of Automation and Computing, 2010, 7, 381-388.	4.5	6
104	Decentralized adaptive stabilization for interconnected systems with dynamic input-output and nonlinear interactions. Automatica, 2010, 46, 1060-1067.	3.0	42
105	Small-gain control method for stochastic nonlinear systems with stochastic iISS inverse dynamics. Automatica, 2010, 46, 1790-1798.	3.0	92
106	Output-feedback Stabilization for Stochastic High-order Nonlinear Systems with a Ratio of Odd Integers Power. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 858-864.	1.5	19
107	Output-feedback control of a class of high-order nonlinear systems. , 2010, , .		0
108	Output-feedback control of stochastic nonlinear system with stochastic inverse dynamics. , 2010, , .		0

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109	State-feedback control for a class of nonlinear systems with iISS unmodeled dynamics. , 2010, , .		0
110	Output Feedback Regulation of Stochastic Nonlinear Systems With Stochastic iISS Inverse Dynamics. IEEE Transactions on Automatic Control, 2010, 55, 304-320.	3.6	205
111	Output-feedback stabilization for more general stochastic high-order nonlinear systems. , 2010, , .		0
112	Further results on output-feedback regulation of stochastic nonlinear systems with SiISS inverse dynamics. International Journal of Control, 2010, 83, 2140-2152.	1.2	35
113	Output Tracking of High-Order Stochastic Nonlinear Systems with Application to Benchmark Mechanical System. IEEE Transactions on Automatic Control, 2010, 55, 1197-1202.	3.6	182
114	Output-feedback Stabilization for Stochastic High-order Nonlinear Systems with a Ratio of Odd Integers Power. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 858-864.	0.3	18
115	Output-feedback control of a class of high-order stochastic nonlinear systems. International Journal of Control, 2009, 82, 1692-1705.	1.2	73
116	Adaptive state-feedback stabilization of high-order stochastic systems with nonlinear parameterization. Automatica, 2009, 45, 126-133.	3.0	206
117	Backstepping controller design for a class of stochastic nonlinear systems with Markovian switching. Automatica, 2009, 45, 997-1004.	3.0	250
118	Inverse optimal stabilization for stochastic nonlinear systems whose linearizations are not stabilizable. Automatica, 2009, 45, 498-503.	3.0	69
119	State feedback stabilization for high-order stochastic nonlinear systems with zero dynamics. Journal of Control Theory and Applications, 2008, 6, 74-79.	0.8	1
120	Adaptive State-feedback Stabilization for More General High-order Stochastic Nonlinear Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2008, 34, 1188-1192.	1.5	14
121	An Improved Control Algorithm of High-order Nonlinear Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2008, 34, 1262-1267.	1.5	1
122	Robust adaptive output feedback control for nonlinear systems with output unmodeled dynamics. International Journal of Robust and Nonlinear Control, 2008, 18, 1162-1187.	2.1	49
123	Adaptive backstepping controller design using stochastic small-gain theorem. Automatica, 2007, 43, 608-620.	3.0	260
124	State-feedback stabilization for high-order stochastic nonlinear systems with stochastic inverse dynamics. International Journal of Robust and Nonlinear Control, 2007, 17, 1343-1362.	2.1	137
125	A Systematic Analysis Approach to Discrete-time Indirect Model Reference Adaptive Control. Zidonghua Xuebao/Acta Automatica Sinica, 2007, 33, 1170-1175.	1.5	5
126	Robust adaptive output stabilization using dynamic normalizing signal. Journal of Control Theory and Applications, 2007, 5, 89-93.	0.8	2

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127	A robustness analysis of discrete-time direct model reference adaptive control. International Journal of Control, 2006, 79, 1196-1204.	1.2	13
128	Asymptotic tracking control of uncertain nonlinear systems with unknown actuator nonlinearity and unknown gain signs. International Journal of Control, 0, , 1-18.	1.2	11