

Ding Zhai

List of Publications by Year in descending order

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51
papers

1,652
citations

304743

22
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal μ -stealthy attack in cyber-physical systems. Journal of the Franklin Institute, 2021, 358, 151-171.	3.4	8
2	A descriptor regular form-based approach to observer-based integral sliding mode controller design. International Journal of Robust and Nonlinear Control, 2021, 31, 5134-5148.	3.7	8
3	Adaptive Fuzzy Fault-Tolerant Tracking Control of Uncertain Nonlinear Time-Varying Delay Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1840-1849.	9.3	35
4	Adaptive Decentralized Controller Design for a Class of Switched Interconnected Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1644-1654.	9.5	27
5	On the design of output information-based sliding mode controllers for switched descriptor systems: Linear sliding variable approach. Applied Mathematics and Computation, 2020, 364, 124680.	2.2	9
6	Adaptive decentralized control for switched nonlinear large-scale systems with quantized input signal. Nonlinear Analysis: Hybrid Systems, 2020, 35, 100817.	3.5	15
7	Adaptive fault-tolerance control based finite-time backstepping for hypersonic flight vehicle with full state constrains. Information Sciences, 2020, 507, 53-66.	6.9	56
8	Adaptive fault tolerant control for a class of switched nonlinear systems with unknown control directions. Applied Mathematics and Computation, 2020, 370, 124913.	2.2	19
9	Output Feedback Adaptive Fuzzy Control for Uncertain Fractional-Order Nonlinear Switched System with Output Quantization. International Journal of Fuzzy Systems, 2020, 22, 943-955.	4.0	14
10	Linear sliding variable-based sliding mode controller design of descriptor systems via output information. IET Control Theory and Applications, 2019, 13, 1673-1682.	2.1	6
11	Integral sliding mode control for interconnected descriptor systems based on a reduced-order observer. International Journal of Systems Science, 2019, 50, 1947-1960.	5.5	4
12	Decentralized static output feedback sliding mode control for interconnected descriptor systems via linear sliding variable. Applied Mathematics and Computation, 2019, 357, 185-198.	2.2	15
13	Fuzzy-approximation adaptive fault-tolerant control for nonlinear pure-feedback systems with unknown control directions and sensor failures. Fuzzy Sets and Systems, 2019, 356, 28-43.	2.7	25
14	Adaptive asymptotic stabilization of switched parametric strict-feedback systems with switched control. International Journal of Robust and Nonlinear Control, 2018, 28, 3422-3434.	3.7	10
15	Robust Adaptive Fuzzy Control of a Class of Uncertain Nonlinear Systems With Unstable Dynamics and Mismatched Disturbances. IEEE Transactions on Cybernetics, 2018, 48, 3105-3115.	9.5	18
16	Adaptive Reliable H_∞ Static Output Feedback Control Against Markovian Jumping Sensor Failures. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 631-644.	11.3	76
17	Adaptive Fuzzy Tracking Control for a Class of Switched Uncertain Nonlinear Systems: An Adaptive State-Dependent Switching Law Method. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2282-2291.	9.3	42
18	Switched Adaptive Fuzzy Tracking Control for a Class of Switched Nonlinear Systems Under Arbitrary Switching. IEEE Transactions on Fuzzy Systems, 2018, 26, 585-597.	9.8	141

#	ARTICLE	IF	CITATIONS
19	Adaptive Tracking Control for a Class of Switched Nonlinear Systems Under Asynchronous Switching. IEEE Transactions on Fuzzy Systems, 2018, 26, 1245-1256.	9.8	30
20	Network-based fuzzy H_∞ controller design for T-S fuzzy systems via a new event-triggered communication scheme. Neurocomputing, 2018, 273, 403-413.	5.9	15
21	Adaptive Fault-Tolerant Control for Nonlinear Systems With Multiple Sensor Faults and Unknown Control Directions. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4436-4446.	11.3	62
22	Adaptive fault-tolerant control with prescribed performance for switched nonlinear pure-feedback systems. Journal of the Franklin Institute, 2018, 355, 273-290.	3.4	25
23	Simultaneous fault detection and control for continuous-time Markovian jump systems with partially unknown transition probabilities. Applied Mathematics and Computation, 2018, 337, 469-486.	2.2	9
24	Output feedback adaptive sensor failure compensation for a class of parametric strict feedback systems. Automatica, 2018, 97, 48-57.	5.0	101
25	Adaptive integral sliding mode control strategy of data-driven cyber-physical systems against a class of actuator attacks. IET Control Theory and Applications, 2018, 12, 1440-1447.	2.1	62
26	Prescribed Performance Switched Adaptive Dynamic Surface Control of Switched Nonlinear Systems With Average Dwell Time. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1257-1269.	9.3	130
27	H_∞ control for linear switched systems with time-varying delay and dead-zone inputs via an adaptive memory controller. Optimal Control Applications and Methods, 2017, 38, 376-398.	2.1	2
28	Adaptive tracking control for a class of switched uncertain nonlinear systems under a new state-dependent switching law. Nonlinear Analysis: Hybrid Systems, 2017, 24, 227-243.	3.5	29
29	LMI-based adaptive reliable H_∞ static output feedback control against switched actuator failures. International Journal of Systems Science, 2017, 48, 2345-2355.	5.5	3
30	Approximation-based adaptive fuzzy tracking control for a class of switched nonlinear pure-feedback systems. International Journal of Systems Science, 2017, 48, 2463-2472.	5.5	11
31	Decentralized adaptive delay-dependent neural network control for a class of large-scale interconnected nonlinear systems. Applied Mathematics and Computation, 2017, 311, 148-163.	2.2	13
32	Event triggered fault detection and isolation for T-S fuzzy systems with local nonlinear models. Signal Processing, 2017, 138, 244-255.	3.7	37
33	Delay-estimation-based adaptive fuzzy memory control for a class of uncertain nonlinear time-delay systems. Fuzzy Sets and Systems, 2017, 316, 1-19.	2.7	11
34	Stability analysis and state feedback control of continuous-time T-S fuzzy systems via a new switched fuzzy Lyapunov function approach. Applied Mathematics and Computation, 2017, 293, 586-599.	2.2	26
35	H_∞ control for Markovian jump systems with partially unknown transition rates via an adaptive method. Journal of Mathematical Analysis and Applications, 2017, 446, 886-907.	1.0	11
36	Adaptive Reliable H_∞ Control for a Class of T-S Fuzzy Systems With Stochastic Actuator Failures. IEEE Access, 2017, 5, 22750-22759.	4.2	16

#	ARTICLE	IF	CITATIONS
37	Robust H_∞ control for switched singular linear systems with uncertainties in the derivative matrices: an improved average dwell time approach. <i>Optimal Control Applications and Methods</i> , 2016, 37, 441-460.	2.1	12
38	Asynchronous H_∞ filtering for 2D discrete Markovian jump systems with sensor failure. <i>Applied Mathematics and Computation</i> , 2016, 289, 60-79.	2.2	11
39	Finite frequency fault detection for T-S fuzzy singular multiple time-delay systems. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 977-985.	2.7	10
40	Adaptive fuzzy memory fault-tolerant control of nonlinear systems with partially known time-varying delays. <i>IET Control Theory and Applications</i> , 2016, 10, 2060-2070.	2.1	4
41	Observer-based fault detection and accommodation for nonlinear time-delay systems with a prescribed performance mechanism. <i>Applied Mathematical Modelling</i> , 2016, 40, 8377-8390.	4.2	6
42	State and dynamic output feedback control of switched linear systems via a mixed time and state-dependent switching law. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016, 22, 228-248.	3.5	26
43	Simultaneous H_2/H_∞ fault detection and control for networked systems with application to forging equipment. <i>Signal Processing</i> , 2016, 125, 203-215.	3.7	27
44	Simplified filtering-based adaptive fuzzy dynamic surface control approach for nonlinear strict-feedback systems. <i>IET Control Theory and Applications</i> , 2016, 10, 493-503.	2.1	14
45	Delay-dependent adaptive dynamic surface control for nonlinear strict-feedback delayed systems with unknown dead zone. <i>Journal of the Franklin Institute</i> , 2016, 353, 279-302.	3.4	22
46	Dynamic output feedback H_∞ control for switched T-S fuzzy systems via discretized Lyapunov function technique. <i>Neurocomputing</i> , 2016, 177, 651-669.	5.9	17
47	Simultaneous fault detection and control for switched linear systems with mode-dependent average dwell-time. <i>Applied Mathematics and Computation</i> , 2016, 273, 767-792.	2.2	117
48	Fault detection for singular switched linear systems with multiple time-varying delay in finite frequency domain. <i>International Journal of Systems Science</i> , 2016, 47, 3232-3257.	5.5	21
49	Adaptive fuzzy fault-tolerant control with guaranteed tracking performance for nonlinear strict-feedback systems. <i>Fuzzy Sets and Systems</i> , 2016, 302, 82-100.	2.7	98
50	Fault detection for stochastic parameter-varying Markovian jump systems with application to networked control systems. <i>Applied Mathematical Modelling</i> , 2016, 40, 2368-2383.	4.2	105
51	Fault detection for singular multiple time-delay systems with application to electrical circuit. <i>Journal of the Franklin Institute</i> , 2014, 351, 5411-5436.	3.4	41