Ding Zhai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7019220/publications.pdf

Version: 2024-02-01

51	1,652	304743	289244
papers	citations	22 h-index	40 g-index

51	51	51	1200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Simultaneous fault detection and control for switched linear systems with mode-dependent average dwell-time. Applied Mathematics and Computation, 2016, 273, 767-792.	2.2	117
4	Fault detection for stochastic parameter-varying Markovian jump systems with application to networked control systems. Applied Mathematical Modelling, 2016, 40, 2368-2383.	4.2	105
5	Output feedback adaptive sensor failure compensation for a class of parametric strict feedback systems. Automatica, 2018, 97, 48-57.	5.0	101
6	Adaptive fuzzy fault-tolerant control with guaranteed tracking performance for nonlinear strict-feedback systems. Fuzzy Sets and Systems, 2016, 302, 82-100.	2.7	98
7	Adaptive Reliable $H_infty $ Static Output Feedback Control Against Markovian Jumping Sensor Failures. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 631-644.	11.3	76
8	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
9	Adaptive integral slidingâ€mode control strategy of dataâ€driven cyberâ€physical systems against a class of actuator attacks. IET Control Theory and Applications, 2018, 12, 1440-1447.	2.1	62
10	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
11	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
12	Fault detection for singular multiple time-delay systems with application to electrical circuit. Journal of the Franklin Institute, 2014, 351, 5411-5436.	3.4	41
13	Event triggered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mi>H</mml:mi><mml:mo>â^’</mml:mo></mml:msub><mml:mo>/</mml:mo><mml:mn fault detection and isolation for T-S fuzzy systems with local nonlinear models. Signal Processing, 2017, 138, 244-255.	3.7	37
14	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
15	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
16	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
17	Simultaneous H/H fault detection and control for networked systems with application to forging equipment. Signal Processing, 2016, 125, 203-215.	3.7	27
18	Adaptive Decentralized Controller Design for a Class of Switched Interconnected Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1644-1654.	9.5	27

#	Article	IF	Citations
19	State and dynamic output feedback control of switched linear systems via a mixed time and state-dependent switching law. Nonlinear Analysis: Hybrid Systems, 2016, 22, 228-248.	3.5	26
20	Stability analysis and state feedback control of continuous-time Tâ€“S fuzzy systems via anew switched fuzzy Lyapunov function approach. Applied Mathematics and Computation, 2017, 293, 586-599.	2.2	26
21	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
22	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
23	Delay-dependent adaptive dynamic surface control for nonlinear strict-feedback delayed systems with unknown dead zone. Journal of the Franklin Institute, 2016, 353, 279-302.	3.4	22
24	Fault detection for singular switched linear systems with multiple time-varying delay in finite frequency domain. International Journal of Systems Science, 2016, 47, 3232-3257.	5.5	21
25	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
26	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
27	Dynamic output feedback Hâˆž control for switched Tâ€“S fuzzy systems via discretized Lyapunov function technique. Neurocomputing, 2016, 177, 651-669.	5.9	17
28	Adaptive Reliable $H_infty $ Control for a Class of T-S Fuzzy Systems With Stochastic Actuator Failures. IEEE Access, 2017, 5, 22750-22759.	4.2	16
29	Network-based fuzzy H âˆž controller design for T-S fuzzy systems via a new event-triggered communication scheme. Neurocomputing, 2018, 273, 403-413.	5.9	15
30	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
31	Adaptive decentralized control for switched nonlinear large-scale systems with quantized input signal. Nonlinear Analysis: Hybrid Systems, 2020, 35, 100817.	3.5	15
32	Simplified filteringâ€based adaptive fuzzy dynamic surface control approach for nonâ€linear strictâ€feedback systems. IET Control Theory and Applications, 2016, 10, 493-503.	2.1	14
33	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
34	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
35	RobustH_{âˆž}control for switched singular linear systems with uncertainties in the derivative matrices: an improved average dwell time approach. Optimal Control Applications and Methods, 2016, 37, 441-460.	2.1	12
36	Asynchronous Hâˆž filtering for 2D discrete Markovian jump systems with sensor failure. Applied Mathematics and Computation, 2016, 289, 60-79.	2.2	11

#	Article	IF	Citations
37	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
38	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
39	Hâˆž 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
40	Finite frequency fault detection for T-S fuzzy singular multiple timedelay systems. International Journal of Control, Automation and Systems, 2016, 14, 977-985.	2.7	10
41	Adaptive asymptotic stabilization of switched parametric strictâ€feedback systems with switched control. International Journal of Robust and Nonlinear Control, 2018, 28, 3422-3434.	3.7	10
42	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
43	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
44	Optimal Ïµ -stealthy attack in cyber-physical systems. Journal of the Franklin Institute, 2021, 358, 151-171.	3.4	8
45	A descriptor regular formâ€based approach to observerâ€based integral sliding mode controller design. International Journal of Robust and Nonlinear Control, 2021, 31, 5134-5148.	3.7	8
46	Observer-based fault detection and accommodation for nonlinear time-delay systems with a prescribed performance mechanism. Applied Mathematical Modelling, 2016, 40, 8377-8390.	4.2	6
47	Linear sliding variableâ€based sliding mode controller design of descriptor systems via output information. IET Control Theory and Applications, 2019, 13, 1673-1682.	2.1	6
48	Adaptive fuzzy memory faultâ€tolerant control of nonâ€linear systems with partially known timeâ€varying delays. IET Control Theory and Applications, 2016, 10, 2060-2070.	2.1	4
49	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
50	LMI-based adaptive reliable H_{â^ž} static output feedback control against switched actuator failures. International Journal of Systems Science, 2017, 48, 2345-2355.	5.5	3
51	H_{â^ž} control for linear switched systems with timeâ€varying delay and deadâ€zone inputs via an adaptive memory controller. Optimal Control Applications and Methods, 2017, 38, 376-398.	2.1	2