Jiuxiang Dong

List of Publications by Year
in descending order

123 papers	3,707 citations	126708 33 h-index	143772 57 g-index
123 all docs	123 docs citations	123 times ranked	2082 citing authors

#	Article	IF	Citations
1	Reliable State Feedback Control of T–S Fuzzy Systems With Sensor Faults. IEEE Transactions on Fuzzy Systems, 2015, 23, 421-433.	6.5	182
2	Robust static output feedback control synthesis for linear continuous systems with polytopic uncertainties. Automatica, 2013, 49, 1821-1829.	3.0	155
3	Static Output Feedback Control Synthesis for Linear Systems With Time-Invariant Parametric Uncertainties. IEEE Transactions on Automatic Control, 2007, 52, 1930-1936.	3.6	146
4	Switched Adaptive Fuzzy Tracking Control for a Class of Switched Nonlinear Systems Under Arbitrary Switching. IEEE Transactions on Fuzzy Systems, 2018, 26, 585-597.	6.5	141
5	Control Synthesis of Continuous-Time T-S Fuzzy Systems With Local Nonlinear Models. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1245-1258.	5.5	136
6	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.	5.9	130
7	Robust static output feedback control for linear discrete-time systems with time-varying uncertainties. Systems and Control Letters, 2008, 57, 123-131.	1.3	105
8	A New Sensor Fault Isolation Method for T–S Fuzzy Systems. IEEE Transactions on Cybernetics, 2017, 47, 2437-2447.	6.2	102
9	Output feedback adaptive sensor failure compensation for a class of parametric strict feedback systems. Automatica, 2018, 97, 48-57.	3.0	101
10	Observer-Based Output Feedback Control for Discrete-Time T-S Fuzzy Systems With Partly Immeasurable Premise Variables. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 98-110.	5.9	98
11	Reliable Control Policy of Cyber-Physical Systems Against a Class of Frequency-Constrained Sensor and Actuator Attacks. IEEE Transactions on Cybernetics, 2018, 48, 3432-3439.	6.2	97
12	Output Feedback Fuzzy Controller Design With Local Nonlinear Feedback Laws for Discrete-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1447-1459.	5.5	94
13	Reliable Leader-to-Follower Formation Control of Multiagent Systems Under Communication Quantization and Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 89-99.	5.9	82
14	H_{∞} Controller Synthesis via Switched PDC Scheme for Discrete-Time T–S Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2009, 17, 544-555.	6.5	80
15	Stability Analysis of T–S Fuzzy Control Systems by Using Set Theory. IEEE Transactions on Fuzzy Systems, 2015, 23, 827-841.	6.5	73
16	Static output feedback control of a class of nonlinear discrete-time systems. Fuzzy Sets and Systems, 2009, 160, 2844-2859.	1.6	67
17	Control Synthesis of T–S Fuzzy Systems Based on a New Control Scheme. IEEE Transactions on Fuzzy Systems, 2011, 19, 323-338.	6.5	63
18	Dynamic Output Feedback Control Synthesis for Continuous-Time T–S Fuzzy Systems via a Switched Fuzzy Control Scheme. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1166-1175.	5.5	62

#	Article	IF	Citations
19	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.	1.2	62
20	Adaptive Fuzzy Consensus Tracking Control for Uncertain Fractional-Order Multiagent Systems With Event-Triggered Input. IEEE Transactions on Fuzzy Systems, 2022, 30, 310-320.	6.5	61
21	Control Synthesis of Singularly Perturbed Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2008, 16, 615-629.	6.5	60
22	Event-triggered adaptive consensus for fuzzy output-constrained multi-agent systems with observers. Journal of the Franklin Institute, 2020, 357, 82-105.	1.9	59
23	Dynamic output feedback control synthesis for discrete-time T–S fuzzy systems via switching fuzzy controllers. Fuzzy Sets and Systems, 2009, 160, 482-499.	1.6	58
24	H_{∞} Filtering for Continuous-Time T–S Fuzzy Systems With Partly Immeasurable Premise Variables. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1931-1940.	5.9	54
25	State feedback control of continuous-time T–S fuzzy systems via switched fuzzy controllers. Information Sciences, 2008, 178, 1680-1695.	4.0	52
26	and mixed control of discrete-time T–S fuzzy systems with local nonlinear models. Fuzzy Sets and Systems, 2011, 164, 1-24.	1.6	49
27	Control Synthesis for Discrete-Time T–S Fuzzy Systems Based on Membership Function-Dependent H_{∞} Performance. IEEE Transactions on Fuzzy Systems, 2020, 28, 3360-3366.	6.5	47
28	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.	5.9	42
29	Fault-Tolerant Containment Control for IT2 Fuzzy Networked Multiagent Systems Against Denial-of-Service Attacks and Actuator Faults. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2213-2224.	5.9	42
30	An Adaptive Secure Control Scheme for T–S Fuzzy Systems Against Simultaneous Stealthy Sensor and Actuator Attacks. IEEE Transactions on Fuzzy Systems, 2021, 29, 1978-1991.	6.5	38
31	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>∂̃</mml:mo></mml:msub><mml:mo>/</mml:mo><mml fault detection and isolation for T-S fuzzy systems with local nonlinear models. Signal Processing, 2017, 138, 244-255.	2.1	37
32	Distributed Adaptive Fuzzy Fault-Tolerant Containment Control for Heterogeneous Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 954-965.	5.9	36
33	Fault detection for T–S fuzzy systems with partly unmeasurable premise variables. Fuzzy Sets and Systems, 2018, 338, 136-156.	1.6	35
34	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.	5.9	35
35	Event-triggered adaptive fuzzy distributed tracking control for uncertain nonlinear multi-agent systems. Fuzzy Sets and Systems, 2021, 402, 35-50.	1.6	34
36	Adaptive neural network-based control of uncertain nonlinear systems with time-varying full-state constraints and input constraint. Neurocomputing, 2019, 357, 108-115.	3.5	32

#	Article	IF	Citations
37	Adaptive reliable guaranteed performance control of uncertain nonlinear systems by using exponent‐dependent barrier Lyapunov function. International Journal of Robust and Nonlinear Control, 2019, 29, 1051-1062.	2.1	31
38	Adaptive Tracking Control for a Class of Switched Nonlinear Systems Under Asynchronous Switching. IEEE Transactions on Fuzzy Systems, 2018, 26, 1245-1256.	6.5	30
39	Robust Adaptive Fault-Tolerant Tracking Control for Uncertain Linear Systems With Actuator Failures Based on the Closed-Loop Reference Model. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3448-3455.	5.9	29
40	Disturbance-observer-based adaptive fuzzy control for nonlinear state constrained systems with input saturation and input delay. Fuzzy Sets and Systems, 2020, 392, 77-92.	1.6	29
41	Local Stabilization of Continuous-Time T–S Fuzzy Systems With Partly Measurable Premise Variables and Time-Varying Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 326-338.	5.9	29
42	Robust adaptive fault‐tolerant tracking control for uncertain linear systems with time‐varying performance bounds. International Journal of Robust and Nonlinear Control, 2019, 29, 849-866.	2.1	28
43	Distributed Fault-Tolerant Containment Control for Linear Heterogeneous Multiagent Systems: A Hierarchical Design Approach. IEEE Transactions on Cybernetics, 2022, 52, 971-981.	6.2	28
44	A Novel $\mathcal{H}_{\infty}$ Control for T–S Fuzzy Systems With Membership Functions Online Optimization Learning. IEEE Transactions on Fuzzy Systems, 2022, 30, 1129-1138.	6.5	28
45	Simultaneous H/H fault detection and control for networked systems with application to forging equipment. Signal Processing, 2016, 125, 203-215.	2.1	27
46	Robust H ∞ -tracking control design for T–S fuzzy systems with partly immeasurable premise variables. Journal of the Franklin Institute, 2017, 354, 3919-3944.	1.9	26
47	Adaptive visual servoing with an uncalibrated camera using extreme learning machine and Q-leaning. Neurocomputing, 2020, 402, 384-394.	3.5	26
48	Distributed Fault-Tolerant Containment Control for Nonlinear Multi-Agent Systems Under Directed Network Topology via Hierarchical Approach. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 806-816.	8.5	24
49	A new image-based visual servoing method with velocity direction control. Journal of the Franklin Institute, 2020, 357, 3993-4007.	1.9	21
50	Adaptive fuzzy guaranteed performance control for uncertain nonlinear systems with event-triggered input. Applied Mathematics and Computation, 2019, 363, 124604.	1.4	20
51	Reliable control of cyber-physical systems under sensor and actuator attacks: An identifier-critic based integral sliding-mode control approach. Neurocomputing, 2019, 361, 229-242.	3.5	20
52	Observer-Based Interval Type-2 L$_2$ – L$_{\infty}$/H$_{\infty}$ Mixed Fuzzy Control for Uncertain Nonlinear Systems Under Measurement Outliers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7652-7662.	5.9	20
53	Reset Event-Triggered Adaptive Fuzzy Consensus for Nonlinear Fractional-Order Multiagent Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2023, 53, 1868-1879.	6.2	20
54	Output feedback fault-tolerant control by a set-theoretic description of T–S fuzzy systems. Applied Mathematics and Computation, 2017, 301, 117-134.	1.4	19

#	Article	IF	Citations
55	Controller synthesis for one‐sided Lipschitz Markovian jump systems with partially unknown transition probabilities. IET Control Theory and Applications, 2017, 11, 2242-2251.	1.2	18
56	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.	6.2	18
57	Observer-Based Adaptive Fuzzy Decentralized Control of Uncertain Large-Scale Nonlinear Systems with Full State Constraints. International Journal of Fuzzy Systems, 2019, 21, 1085-1103.	2.3	18
58	Tracking control for non-Gaussian stochastic distribution sampled-data fuzzy systems. Fuzzy Sets and Systems, 2019, 356, 1-27.	1.6	18
59	ADP-Based Robust Resilient Control of Partially Unknown Nonlinear Systems via Cooperative Interaction Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7466-7474.	5.9	16
60	Containment control of interval type-2 fuzzy multi-agent systems with multiple intermittent packet dropouts and actuator failure. Journal of the Franklin Institute, 2020, 357, 6096-6120.	1.9	16
61	A Robust Dynamic Compensation Approach for Cyber-Physical Systems Against Multiple Types of Actuator Attacks. Applied Mathematics and Computation, 2020, 380, 125284.	1.4	16
62	Cyber-Physical Attacks Against State Estimators Based on a Finite Frequency Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 864-874.	5.9	16
63	A design method for T–S fuzzy systems with partly immeasurable premise variables subject to actuator saturation. Neurocomputing, 2017, 225, 164-173.	3.5	15
64	Cooperative Fault-Tolerant Containment Control for Nonlinear Multiagent Systems With Switching Directed Topologies Based on Hierarchical Mechanism. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5424-5433.	5.9	15
65	Adaptive fuzzy reliable control for switched uncertain nonlinear systems based on closed-loop reference model. Fuzzy Sets and Systems, 2020, 385, 39-59.	1.6	14
66	Event-triggered adaptive reliable guaranteed performance control for uncertain nonlinear systems with abrupt non-affine faults. Applied Mathematics and Computation, 2020, 380, 125256.	1.4	14
67	Adaptive fault-tolerant control for a class of uncertain T-S fuzzy systems with guaranteed time-varying performance. Fuzzy Sets and Systems, 2020, 385, 1-19.	1.6	13
68	Cooperative fault‐tolerant fuzzy tracking control for nonlinear multiagent systems under directed network topology via a hierarchical control scheme. International Journal of Robust and Nonlinear Control, 2021, 31, 832-854.	2.1	13
69	Robust Dynamic Actuator Failure Compensation Control of Nonlinear Systems via Cooperative Interaction Design. IEEE Transactions on Cybernetics, 2022, 52, 6013-6023.	6.2	13
70	Adaptive neural network tracking control for switched uncertain non‐linear systems with actuator failures and time‐varying delays. IET Control Theory and Applications, 2019, 13, 1929-1939.	1.2	12
71	Adaptive exact sliding tracking control of high‐order strict‐feedback systems with mismatched nonlinearities and external disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 8228-8243.	2.1	12
72	Event-Based Distributed Adaptive Fuzzy Consensus for Nonlinear Fractional-Order Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5901-5912.	5.9	12

#	Article	IF	Citations
73	Robust H Controller Design via Static Output Feedback of Uncertain Discrete-time T-S Fuzzy Systems. Proceedings of the American Control Conference, 2007, , .	0.0	11
74	Approximation-based adaptive fuzzy tracking control for a class of switched nonlinear pure-feedback systems. International Journal of Systems Science, 2017, 48, 2463-2472.	3.7	11
75	Delay-estimation-based adaptive fuzzy memory control for a class of uncertain nonlinear time-delay systems. Fuzzy Sets and Systems, 2017, 316, 1-19.	1.6	11
76	Fault detection for non-Gaussian stochastic distribution fuzzy systems by an event-triggered mechanism. ISA Transactions, 2019, 91, 135-150.	3.1	11
77	Adaptive fuzzy reliable tracking control for a class of uncertain nonlinear time-delay systems with abrupt non-affine faults. Fuzzy Sets and Systems, 2019, 374, 100-114.	1.6	11
78	Adaptive asymptotic tracking control of uncertain nonlinear time-delay systems depended on delay estimation information. Applied Mathematics and Computation, 2021, 391, 125662.	1.4	11
79	Distributed fault-tolerant tracking control for heterogeneous nonlinear multi-agent systems under sampled intermittent communications. Journal of the Franklin Institute, 2021, 358, 9221-9242.	1.9	10
80	Simultaneous fault detection and containment control design for multi-agent systems with multi-leaders. Journal of the Franklin Institute, 2020, 357, 9063-9082.	1.9	9
81	A peak-to-peak filtering for continuous Takagi-Sugeno fuzzy systems by a local method. Fuzzy Sets and Systems, 2021, 402, 51-77.	1.6	9
82	Image-based visual servoing with depth estimation. Transactions of the Institute of Measurement and Control, 2022, 44, 1811-1823.	1.1	9
83	Quadratic stability analysis of fuzzy control systems. , 2006, , .		8
84	Sensor fault estimation in finite-frequency domain for nonlinear time-delayed systems by Tâ€"S fuzzy model approach with local nonlinear models. International Journal of Systems Science, 2019, 50, 2226-2247.	3.7	8
85	Optimal ϊμ -stealthy attack in cyber-physical systems. Journal of the Franklin Institute, 2021, 358, 151-171.	1.9	8
86	On modeling and secure control of cyberâ€physical systems with attacks/faults changing system dynamics: An average dwellâ€time approach. International Journal of Robust and Nonlinear Control, 2019, 29, 5481-5498.	2.1	7
87	Local stabilization for discrete-time Tâ€"S fuzzy time-delay systems with sensor fault. Fuzzy Sets and Systems, 2019, 374, 115-137.	1.6	7
88	Learning-based switched reliable control of cyber-physical systems with intermittent communication faults. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 711-724.	8.5	7
89	An LMI-based Approach for State Feedback Controller Design of Markovian Jump Nonlinear Systems. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	6
90	Robust adaptive fault-tolerant control for time delay uncertain nonlinear systems with time-varying performance bounds. International Journal of Systems Science, 2019, 50, 2168-2188.	3.7	6

#	Article	IF	Citations
91	Output feedback adaptive faultâ€tolerant compensation tracking control for linear systems based on the closedâ€loop reference model. International Journal of Adaptive Control and Signal Processing, 2020, 34, 77-91.	2.3	6
92	Reliable cooperative control and plug-and-play operation for networked heterogeneous systems under cyberâ€"physical attacks. ISA Transactions, 2020, 104, 62-72.	3.1	6
93	Reducedâ€order robust nonlinear sliding mode faultâ€tolerant control for linear systems with disturbances: A prescribed practical sliding surface approach. International Journal of Robust and Nonlinear Control, 0, , .	2.1	6
94	Adaptive optimisation-offline cyber attack on remote state estimator. International Journal of Systems Science, 2017, 48, 3060-3071.	3.7	5
95	Actuator and sensor faults estimation for discrete-time descriptor linear parameter-varying systems in finite frequency domain. International Journal of Systems Science, 2018, 49, 1572-1585.	3.7	5
96	Sampledâ€data containment control for Takagiâ€Sugeno fuzzy multiagent systems with packet losses. International Journal of Robust and Nonlinear Control, 2020, 30, 8362-8381.	2.1	5
97	Simultaneous local stabilisation and fault detection for continuousâ€time Tâ€S fuzzy systems. IET Control Theory and Applications, 2019, 13, 1071-1083.	1.2	5
98	Distributed Fault-Tolerant Tracking Control for Uncertain Homogeneous and Heterogeneous MASs Under Asynchronous Sampled Communications. IEEE Transactions on Network Science and Engineering, 2022, 9, 1866-1879.	4.1	5
99	Robust control for a class of nonlinear systems with input constraints based on actorâ€critic learning. International Journal of Robust and Nonlinear Control, 0, , .	2.1	5
100	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.	1.2	4
101	H_∞ Controller Design via State Feedback for Uncertain Discrete-time Singularly Perturbed Systems. , 2007, , .		3
102	LMI-based adaptive reliable H_∞ static output feedback control against switched actuator failures. International Journal of Systems Science, 2017, 48, 2345-2355.	3.7	3
103	Modularized design for cooperative control of cyber-physical systems with disturbances and general cooperative targets. Journal of the Franklin Institute, 2020, 357, 10799-10809.	1.9	3
104	Cooperative Output Regulation of Linear Multiagent Systems With Parameter Convergence. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 518-528.	5.9	3
105	H2 State Feedback Control Synthesis of Continuous-time Uncertain Markov Jump Linear Systems. Proceedings of the American Control Conference, 2007, , .	0.0	2
106	Timeâ€varying formation control for multiâ€agent systems under directed topology base on gain reâ€adaptation faultâ€tolerant compensation approach. International Journal of Robust and Nonlinear Control, 2022, 32, 3909-3922.	2.1	2
107	A New Multiple Lyapunov Function Approach to Synthesis of Fuzzy Control Systems. , 2007, , .		1
108	H<sub>&#x0221E;</sub> reduced-order filtering of discrete-time T-S fuzzy systems. , 2007, , .		1

#	Article	IF	Citations
109	Mode-Independent Stabilizing Control of Markovian Jump Nonlinear Systems. , 2007, , .		1
110	Comments on "$H_{infty }$ Filtering for Fuzzy Singularly Perturbed Systems With Pole Placement Constraints: An LMI Approach. IEEE Transactions on Signal Processing, 2007, 55, 716-717.	3.2	1
111	Observer-based fuzzy controller design with local nonlinear feedback laws for discrete-time nonlinear systems. , 2012, , .		1
112	Diagonal dominance for flight control systems of canard aircraft in finite frequency range. , 2013, , .		1
113	A new fault detection observer scheme for T-S fuzzy systems with unmeasurable variables. , 2016, , .		1
114	Secure tracking control against sensor and actuator attacks: A robust model-reference adaptive control method. Information Sciences, 2022, 604, 11-27.	4.0	1
115	An LMI-Based Approach to Fuzzy Control Systems Analysis. , 2006, , .		0
116	Robust Output Feedback Control for Polytopic Linear Systems. , 2006, , .		0
117	Robust Output Feedback Controller Design via Parameter-dependent Lyapunov Functions. Proceedings of the American Control Conference, 2007, , .	0.0	0
118	LMI approach for H<inf>∞</inf> output feedback control of discrete-time T-S fuzzy systems via switched control scheme. , 2007, , .		0
119	Input-output energy decoupling for 3DOF helicopter system by using generalized KYP synthesis. , 2013, , .		0
120	Fault estimation and fault tolerant control for T-S fuzzy systems. , 2016, , .		0
121	Fault isolation observer design for T-S fuzzy systems based on set theory. , 2017, , .		0
122	Dissipative IT2 Fuzzy Control for Nonlinear Systems with Stochastic Occurring Sensor Saturation. , 2021, , .		0
123	A novel adaptive fault-tolerant control for nonlinear systems with performance guarantees. , 2020, , .		0