Zhiguo Yan

List of Publications by Year
in descending order

53 papers	721 citations	687335 13 h-index	552766 26 g-index
53 all docs	53 docs citations	53 times ranked	471 citing authors

#	Article	IF	Citations
1	Finite-time annular domain stability and stabilisation of Itô-type stochastic time-varying systems with Wiener and Poisson noises. International Journal of Control, 2023, 96, 374-391.	1.9	6
2	Finite-time annular domain stability and stabilization of Itô stochastic systems with Wiener noise and Poisson jumps-differential Gronwall inequality approach. Applied Mathematics and Computation, 2022, 412, 126589.	2.2	9
3	Finite Time Annular Domain Robust Stability Analysis and Controller Design for T-S Fuzzy Interval Positive Systems. IEEE Access, 2022, 10, 24255-24263.	4.2	5
4	Mean-Square Strong Stability and Stabilization of Discrete-Time Markov Jump Systems with Multiplicative Noises. Mathematics, 2022, 10, 979.	2.2	0
5	An improved approach to fuzzy dynamic output feedback *H*$_{â^ž}$ control of continuous-time Takagi–Sugeno fuzzy systems. International Journal of Systems Science, 2022, 53, 1529-1544.	5.5	5
6	Mean‐square strong stability and stabilization of discrete‐time stochastic systems with multiplicative noises. International Journal of Robust and Nonlinear Control, 2022, 32, 6767-6784.	3.7	5
7	Finite-time H_2 control for linear Itô stochastic Markovian jump systems with Brownian motion and Poisson jumps. Systems and Control Letters, 2022, 165, 105285.	2.3	13
8	Observer-Based Finite-Time $H_{â^ž}$ Control of the Blood Gases System in Extracorporeal Circulation via the T-S Fuzzy Model. Mathematics, 2022, 10, 2102.	2.2	1
9	Finite-Time Contractively Bounded Control of Positive Linear Systems under $H_{â^ž}$ Performance and Its Application to Pest Management. Mathematics, 2022, 10, 1997.	2.2	0
10	Quantitative Mean Square Exponential Stability and Stabilization of Linear Itô Stochastic Markovian Jump Systems Driven by Both Brownian and Poisson Noises. Mathematics, 2022, 10, 2330.	2.2	0
11	Input-to-State Stability and Stabilization of Sampled-Data Systems Under Aperiodic Sampling and Random Sampling. IEEE Access, 2021, 9, 47657-47667.	4.2	1
12	Design of online laser marking system by vision guided based on template matching. Journal of Physics: Conference Series, 2021, 1976, 012047.	0.4	5
13	Linear quadratic control of backward stochastic differential equation with partial information. Applied Mathematics and Computation, 2021, 403, 126164.	2.2	6
14	Finite-Time Annular Domain Bounded Control of Itô-Type Stochastic Systems With Wiener and Poisson Random Disturbance. IEEE Access, 2021, 9, 17284-17295.	4.2	1
15	Finite‐time annular domain stability and stabilization for stochastic Markovian switching systems driven by Wiener and Poisson noises. International Journal of Robust and Nonlinear Control, 2021, 31, 2290-2304.	3.7	12
16	Backward stochastic optimal control with mixed deterministic controller and random controller and its applications in linear-quadratic control. Applied Mathematics and Computation, 2020, 369, 124842.	2.2	3
17	Stability analysis and L1-gain characterization for impulsive positive systems with time-varying delay. Journal of the Franklin Institute, 2020, 357, 8703-8725.	3.4	8
18	Finite-Time H_2 Control Design for Stochastic Poisson Systems with Applications to Clothing Hanging Device. Complexity, 2020, 2020, 1-12.	1.6	1

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19	A New Approach to Fuzzy Output Feedback Controller Design of Continuous-Time Takagi–Sugeno Fuzzy Systems. International Journal of Fuzzy Systems, 2020, 22, 2223-2235.	4.0	14
20	Mixed H_2 Control for Itô-type Stochastic Time-Delay Systems with Applications to Clothing Hanging Device. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	0
21	Finite-Time Annular Domain Stability and Stabilization of Discrete-Time Stochastic Systems. , 2020, , .		1
22	Finite-Time H_∞ Control for Itô-Type Nonlinear Time-Delay Stochastic Systems. IEEE Access, 2020, 8, 83622-83632.	4.2	7
23	Robust finite‐time control and estimation for uncertain time‐delayed switched systems by observer‐based sliding mode technique. Optimal Control Applications and Methods, 2020, 41, 1813-1830.	2.1	12
24	Robust admissible consensus of singular multi‐agent systems using sliding mode approach. Asian Journal of Control, 2020, 23, 2029.	3.0	7
25	Finite‐time H2/H∞ control for linear Itô stochastic Markovian jump systems: mode‐dependent approach. IET Control Theory and Applications, 2020, 14, 3557-3567.	2.1	12
26	Finite-Time Bipartite Consensus Problems for Signed Networks With Directed Topologies. , 2020, , .		0
27	Finite-time Annular Domain Stabilization for Nonlinear Systems in Strict-feedback Form. , 2020, , .		1
28	Simulation Study on Permanent Magnet Doubly Fed Induction Generators Under Grid Voltage Dip. , 2019, , .		1
29	Several control problems of a 4D hyper-chaotic system via single input controllers. , 2019, , .		0
30	Finite-time annular domain stability of impulsive switched systems: mode-dependent parameter approach. International Journal of Control, 2019, 92, 1381-1392.	1.9	28
31	A unified framework for asymptotic and transient behavior of linear stochastic systems. Applied Mathematics and Computation, 2018, 325, 31-40.	2.2	15
32	Quantitative mean square exponential stability and stabilization of stochastic systems with Markovian switching. Journal of the Franklin Institute, 2018, 355, 3438-3454.	3.4	35
33	Finite-time stability and stabilization for Itô-type stochastic Markovian jump systems with generally uncertain transition rates. Applied Mathematics and Computation, 2018, 321, 512-525.	2.2	33
34	Finite-Time H_2 Control for Linear Itô Stochastic Systems with $($ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 132 Td (2018, 1-13.	1.6	5
35	Finite-time guaranteed cost control for Itô Stochastic Markovian jump systems with incomplete transition rates. International Journal of Robust and Nonlinear Control, 2017, 27, 66-83.	3.7	62
36	Finite-time stability and stabilization for stochastic markov jump systems with mode-dependent time delays. ISA Transactions, 2017, 68, 141-149.	5.7	36

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37	Quantitative exponential stability and stabilisation of discrete-time Markov jump systems with multiplicative noises. IET Control Theory and Applications, 2017, 11, 2886-2892.	2.1	22
38	Coordinated Stability Control of Wind-Thermal Hybrid AC/DC Power System. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	3
39	Three-Stage Tracking Control for the LED Wafer Transporting Robot. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	0
40	Coexistence of synchronization and anti-synchronization in the unified chaotic systems. , 2015, , .		0
41	Control, synchronization and coexistence of synchronization and anti-synchronization of a novel hyperchaotic finance system. , 2015, , .		2
42	Finite-Time Stability and Stabilization of Itô Stochastic Systems With Markovian Switching: Mode-Dependent Parameter Approach. IEEE Transactions on Automatic Control, 2015, 60, 2428-2433.	5.7	156
43	State and output feedback finite-time guaranteed cost control of linear itô stochastic systems. Journal of Systems Science and Complexity, 2015, 28, 813-829.	2.8	33
44	Finite-Time Stability and Stabilization of Itô-Type Stochastic Singular Systems. Abstract and Applied Analysis, 2014, 2014, 1-10.	0.7	15
45	Erratum to "Resilient Finite-Time Controller Design of a Class of Stochastic Nonlinear Systems". Abstract and Applied Analysis, 2014, 2014, 1-1.	0.7	0
46	Resilient Finite-Time Controller Design of a Class of Stochastic Nonlinear Systems. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	0
47	A New Finite-Time Bounded Control of Stochastic Itô Systems with (x,u,v)-Dependent Noise: Different Quadratic Function Approach. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.7	1
48	Finite-time stability and stabilization of It&#x00F4; stochastic time-varying systems. , 2014, , .		0
49	Finite-Time Stability and Stabilization of Linear Itô Stochastic Systems with State and Control-Dependent Noise. Asian Journal of Control, 2013, 15, 270-281.	3.0	95
50	Robust Stabilization for Stochastic Systems with Time-Delay and Nonlinear Uncertainties. Mathematical Problems in Engineering, 2012, 2012, 1-17.	1.1	1
51	Stochastic H<inf>∞</inf> filtering for pantograph systems with state-dependent noise. , 2012, , .		0
52	Non-fragile robust finite-time H ∞ control for nonlinear stochastic itô systems using neural network. International Journal of Control, Automation and Systems, 2012, 10, 873-882.	2.7	37
53	Infinite horizon H-two/H-infinity control for descriptor systems: Nash game approach. Journal of Control Theory and Applications, 2012, 10, 159-165.	0.8	6