Yanyan Yin

List of Publications by Year
in descending order

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62	918	471061	454577
papers	citations	17	30
		h-index	g-index

62	62	62	686
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robust control on saturated Markov jump systems with missing information. Information Sciences, 2014, 265, 123-138.	4.0	98
2	Robust Filtering for Nonlinear Nonhomogeneous Markov Jump Systems by Fuzzy Approximation Approach. IEEE Transactions on Cybernetics, 2015, 45, 1706-1716.	6.2	94
3	Gain-Scheduled Robust Fault Detection on Time-Delay Stochastic Nonlinear Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 4908-4916.	5.2	80
4	Filtering for discrete-time nonhomogeneous Markov jump systems with uncertainties. Information Sciences, 2014, 259, 118-127.	4.0	58
5	Observer-basedH_{â€‰âˆžâ€‰}control on nonhomogeneous Markov jump systems with nonlinear input. International Journal of Robust and Nonlinear Control, 2014, 24, 1903-1924.	2.1	52
6	Gain-scheduled PI tracking control on stochastic nonlinear systems with partially known transition probabilities. Journal of the Franklin Institute, 2011, 348, 685-702.	1.9	49
7	Fuzzy model-based robust Hâˆž filtering for a class of nonlinear nonhomogeneous Markov jump systems. Signal Processing, 2013, 93, 2381-2391.	2.1	39
8	Gain-scheduled fault detection on stochastic nonlinear systems with partially known transition jump rates. Nonlinear Analysis: Real World Applications, 2012, 13, 359-369.	0.9	38
9	Eventâ€triggered constrained control of positive systems with input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 3532-3542.	2.1	36
10	Gain-Scheduled Worst-Case Control on Nonlinear Stochastic Systems Subject to Actuator Saturation and Unknown Information. Journal of Optimization Theory and Applications, 2013, 156, 844-858.	0.8	35
11	Distributed leader-following consensus of nonlinear multi-agent systems with nonlinear input dynamics. Neurocomputing, 2018, 286, 193-197.	3.5	32
12	Robust control for nonhomogeneous Markov jump processes: An application to DC motor device. Journal of the Franklin Institute, 2014, 351, 3322-3338.	1.9	27
13	Finite-Time Gain-Scheduled Control on Stochastic Bioreactor Systems with Partially Known Transition Jump Rates. Circuits, Systems, and Signal Processing, 2011, 30, 609-627.	1.2	25
14	Robust fault detection of singular Markov jump systems with partially unknown information. Information Sciences, 2020, 537, 368-379.	4.0	24
15	RobustL₂â€²L_{âˆž}filtering for a class of dynamical systems with nonhomogeneous Markov jump process. International Journal of Systems Science, 2015, 46, 599-608.	3.7	23
16	Robust fault detection for discreteâ€time stochastic systems with nonâ€homogeneous jump processes. IET Control Theory and Applications, 2014, 8, 1-10.	1.2	19
17	Second-order consensus for heterogeneous multi-agent systems with input constraints. Neurocomputing, 2019, 351, 43-50.	3.5	19
18	Eventâ€triggered probabilistic robust control of linear systems with input constrains: By scenario optimization approach. International Journal of Robust and Nonlinear Control, 2018, 28, 144-153.	2.1	15

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19	Observer-based Hâˆž control on stochastic nonlinear systems with time-delay and actuator nonlinearity. Journal of the Franklin Institute, 2013, 350, 1388-1405.	1.9	13
20	A novel approach to fault detection for fuzzy stochastic systems with nonhomogeneous processes. Information Sciences, 2015, 292, 198-213.	4.0	11
21	Delay-dependent robust fault detection for Markovian jump systems with partly unknown transition rates. Journal of the Franklin Institute, 2016, 353, 426-447.	1.9	11
22	Asynchronous Hâˆž control for nonhomogeneous higher-level Markov jump systems. Journal of the Franklin Institute, 2020, 357, 4697-4708.	1.9	11
23	Finiteâ€time dissipative control for timeâ€delay Markov jump systems with conicâ€type nonâ€linearities under guaranteed cost controller and quantiser. IET Control Theory and Applications, 2021, 15, 489-498.	1.2	11
24	Stochastic stability analysis of integral non-homogeneous Markov jump systems. International Journal of Systems Science, 2018, 49, 479-485.	3.7	10
25	A Simplified Predictive Control of Constrained Markov Jump System with Mixed Uncertainties. Abstract and Applied Analysis, 2014, 2014, 1-7.	0.3	9
26	Constrained MPC design of nonlinear Markov jump system with nonhomogeneous process. Nonlinear Analysis: Hybrid Systems, 2015, 17, 1-9.	2.1	9
27	Observer-Based Hâˆž Control on Nonhomogeneous Discrete-Time Markov Jump Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	8
28	Reinforcement learning-based nonlinear tracking control system design via LDI approach with application to trolley system. Neural Computing and Applications, 2022, 34, 5055-5062.	3.2	7
29	Asynchronous sliding mode dissipative control for discrete-time Markov jump systems with application to automotive electronic throttle body control system. Computers and Electrical Engineering, 2021, 96, 107496.	3.0	7
30	Hâˆžscheduling control on stochastic neutral systems subject to actuator nonlinearity. International Journal of Systems Science, 2013, 44, 1301-1311.	3.7	6
31	Robust Fault Detection and Diagnosis for Multiple-Model Systems with Uncertainties â˜… â˜…This work is supported in part by NSERC, AITF and China Scholarship Council Scholarship.. IFAC-PapersOnLine, 2015, 48, 137-142.	0.5	6
32	Optimal operation of alumina proportioning and mixing process based on stochastic optimization approach. Control Engineering Practice, 2021, 113, 104855.	3.2	5
33	Gain scheduled L-two-L-infinity filtering for neutral systems with jumping and time-varying parameters. Journal of Control Theory and Applications, 2012, 10, 118-123.	0.8	4
34	$${H_infty }$$Hâˆž Filtering for Uncertain Periodic Markov Jump Systems with Periodic and Partly Unknown Information. Circuits, Systems, and Signal Processing, 2018, 37, 4200-4214.	1.2	4
35	Stochastic optimization for real-time operation of alumina blending process. Journal of Process Control, 2020, 96, 49-56.	1.7	4
36	Probabilistic control of Markov jump systems by scenario optimization approach. Journal of Industrial and Management Optimization, 2017, 13, 1-7.	0.8	3

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37	Optimal control of nonlinear Markov jump systems by control parametrisation technique. IET Control Theory and Applications, 2023, 17, 241-249.	1.2	3
38	Robust Control, Optimization, and Applications to Markovian Jumping Systems. Abstract and Applied Analysis, 2014, 2014, 1-3.	0.3	2
39	Optimal State Estimation for Discrete-Time Markov Jump Systems with Missing Observations. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	2
40	Constrained predictive control of nonlinear stochastic systems. Journal of Systems Engineering and Electronics, 2010, 21, 859-867.	1.1	1
41	Multi-model LPV approach to CSTR system identification with stochastic scheduling variable. , 2015, , .		1
42	Disturbance rejection control for Markov jump systems with nonhomogeneous processes. , 2015, , .		1
43	Robust fault detection for nonlinear discrete-time Markovian jump systems with partly unknown transition probabilities. , 2016, , .		1
44	Robust stabilization of input constrained uncertain systems with nonhomogeneous Markov switching. , 2016, , .		1
45	Distributed leader-following consensus of a class of nonlinear multi-agent systems. , 2017, , .		1
46	Consensus for heterogenous multi-agent systems with second-order linear and nonlinear dynamics. , 2018, , .		1
47	Consensus of second-order multi-agent systems with time delays. , 2018, , .		1
48	Event-Triggered Disturbance Rejection Control of Discrete Systems. IEEE Access, 2020, 8, 77934-77939.	2.6	1
49	Predictive control of convex polyhedron LPV systems with Markov jumping parameters. , 2012, , .		0
50	Gain-scheduled H-infinity observer design for nonlinear stochastic systems with time-delay and actuator saturation. , 2012, , .		0
51	Gain scheduled H-infinity control for nonlinear stochastic systems with mixed uncertainties. , 2013, , .		0
52	Disturbance Attraction Domain Estimation for Saturated Markov Jump Systems with Truncated Gaussian Process. Mathematical Problems in Engineering, 2014, 2014, 1-6.	0.6	0
53	Robust fault detection for discrete-time markovian jump linear systems with partly unknown transition probabilities. , 2016, , .		0
54	Robust fault detection of nonlinear singular Markov jump systems with partially unknown information. , 2017, , .		0

#	Article	IF	Citations
55	Leader-following Consensus of Heterogeneous Bilinear Multi-agent Systems via Bounded Input. , 2018, , .		0
56	Feature-based Data Alignment of Multi-stage Batch Processes and Its Application to Optimization. IFAC-PapersOnLine, 2019, 52, 778-783.	0.5	0
57	Robust Filtering for Markov Jump Systems by Randomized Algorithm Approach. , 2019, , .		0
58	Event-triggered Îµ level Hâˆž probabilistic control of uncertain systems. Journal of the Franklin Institute, 2019, 356, 10564-10575.	1.9	0
59	Fuzzy event-triggered disturbance rejection control of nonlinear systems. Journal of Industrial and Management Optimization, 2021, 17, 3297.	0.8	0
60	Design of probabilistic $ l_2-l_infty $ filter for uncertain Markov jump systems with partial information of the transition probabilities. Journal of Industrial and Management Optimization, 2021, .	0.8	0
61	Consensus of mixed-order multi-agent systems with input and velocity constraint. , 2018, , .		0
62	Anti-disturbance Control Based On Uncertain Data. , 2020, , .		0