

Xianwen Gao

List of Publications by Year in descending order

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914
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-time boundedness analysis and composite anti-disturbance control for uncertain semi-Markovian jump systems with time delay. <i>Science China Information Sciences</i> , 2022, 65, 1.	4.3	3
2	Fuzzy Integral Sliding-Mode Control for Nonlinear Semi-Markovian Switching Systems With Application. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1674-1683.	9.3	73
3	Unsupervised Fault Diagnosis of Sucker Rod Pump Using Domain Adaptation with Generated Motor Power Curves. <i>Mathematics</i> , 2022, 10, 1224.	2.2	3
4	Multi-Weighted Partial Domain Adaptation for Sucker Rod Pump Fault Diagnosis Using Motor Power Data. <i>Mathematics</i> , 2022, 10, 1519.	2.2	2
5	Adaptive Regulation of Discrete-Time Nonaffine Systems With Parametric Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 2365-2371.	5.7	4
6	Disturbance-observer-based control for semi-Markovian jump systems with time-varying delay and generally uncertain transition rate. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 1571-1586.	1.7	0
7	Soft sensor hybrid model of dynamic liquid level for sucker rod pump oil wells. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 1843-1857.	1.7	5
8	Using the motor power and XGBoost to diagnose working states of a sucker rod pump. <i>Journal of Petroleum Science and Engineering</i> , 2021, 199, 108329.	4.2	23
9	Anti-disturbance control for time-varying delayed semi-Markovian jump systems with saturation and generally uncertain transition rates via disturbance observer. <i>International Journal of Systems Science</i> , 2021, 52, 1251-1269.	5.5	4
10	Distributed Fault Estimation for a Class of Nonlinear Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3382-3390.	9.3	69
11	Stability for delayed switched systems with Markov jump parameters and generally incomplete transition rates. <i>Applied Mathematics and Computation</i> , 2020, 365, 124718.	2.2	12
12	Sucker Rod Pump Working State Diagnosis Using Motor Data and Hidden Conditional Random Fields. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 7919-7928.	7.9	19
13	Intermediate Observer-Based Robust Distributed Fault Estimation for Nonlinear Multiagent Systems With Directed Graphs. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 7426-7436.	11.3	74
14	Motor Power Based Inversion of Dynamometer Cards Using Hybrid Model. , 2020, , .		1
15	Chattering-free model free adaptive sliding mode control for gas collection process with data dropout. <i>Journal of Process Control</i> , 2020, 93, 1-13.	3.3	9
16	Constrained Model Predictive Control for Nonlinear Markov Jump System With Persistent Disturbance via Quadratic Boundedness. <i>IEEE Access</i> , 2020, 8, 168273-168281.	4.2	2
17	Fault Diagnosis of Sucker Rod Pump Based on Deep-Broad Learning Using Motor Data. <i>IEEE Access</i> , 2020, 8, 222562-222571.	4.2	8
18	Composite anti-disturbance control for semi-Markovian jump systems with time-varying delay and generally uncertain transition rates via disturbance observer. <i>IET Control Theory and Applications</i> , 2020, 14, 1877-1887.	2.1	8

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19	Disturbance-observer-based control for semi-Markovian jump systems with generally uncertain transition rate and saturation nonlinearity. Applied Mathematics and Computation, 2019, 362, 124569.	2.2	15
20	Diagnosis of Sucker Rod Pump based on generating dynamometer cards. Journal of Process Control, 2019, 77, 76-88.	3.3	34
21	Fault detection for sucker rod pump based on motor power. Control Engineering Practice, 2019, 86, 37-47.	5.5	27
22	Supervised dictionary-based transfer subspace learning and applications for fault diagnosis of sucker rod pumping systems. Neurocomputing, 2019, 338, 293-306.	5.9	30
23	Asynchronous control of Markov jump linear systems with incomplete transition descriptions. , 2019, , .		0
24	Fault Diagnosis of Rod Pumping Wells Based on Support Vector Machine Optimized by Improved Chicken Swarm Optimization. IEEE Access, 2019, 7, 171598-171608.	4.2	29
25	Distributed event-triggered sliding mode control of switched systems. Journal of the Franklin Institute, 2019, 356, 10296-10314.	3.4	13
26	Data-dependent kernel sparsity preserving projection and its application for semi-supervised classification. Multimedia Tools and Applications, 2018, 77, 24459-24475.	3.9	2
27	Stability analysis and control synthesis for positive semi-Markov jump systems with time-varying delay. Applied Mathematics and Computation, 2018, 332, 363-375.	2.2	28
28	New Results on Finite-time Stabilization for Stochastic Systems with Time-varying Delay. International Journal of Control, Automation and Systems, 2018, 16, 649-658.	2.7	14
29	Asynchronous control of time-delayed switched systems with actuator saturation via anti-windup design. Optimal Control Applications and Methods, 2018, 39, 1-18.	2.1	16
30	Finite-Time L_2 H_∞ Control for Stochastic Asynchronously Switched. Circuits, Systems, and Signal Processing, 2018, 37, 112-134.	2.0	4
31	Exponential stability and L_2 H_∞ gain analysis for positive time-delay Markovian jump systems with switching transition rates subject to average dwell time. Information Sciences, 2018, 434, 224-234.	6.9	63
32	Disturbance-observer-based control for Markov jump systems with time-varying delay. Optimal Control Applications and Methods, 2018, 39, 575-588.	2.1	5
33	Controller design for time-delay system with stochastic disturbance and actuator saturation via a new criterion. Applied Mathematics and Computation, 2018, 320, 535-546.	2.2	50
34	Observer-based sliding mode control for switched positive nonlinear systems with asynchronous switching. Nonlinear Dynamics, 2018, 93, 2433-2444.	5.2	15
35	Stochastic Stability, H_2 H_∞ 1-gain and Control Synthesis for Positive Semi-Markov Jump Systems. International Journal of Control, Automation and Systems, 2018, 16, 2055-2062.	2.7	13
36	Electric-Parameter-Based Inversion of Dynamometer Card Using Hybrid Modeling for Beam Pumping System. Mathematical Problems in Engineering, 2018, 2018, 1-12.	1.1	6

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37	Supervised data-dependent kernel sparsity preserving projection for image recognition. Applied Intelligence, 2018, 48, 4923-4936.	5.3	6
38	Finite-time dissipativity analysis and design for stochastic Markovian jump systems with generally uncertain transition rates and time-varying delay. Transactions of the Institute of Measurement and Control, 2017, 39, 807-819.	1.7	13
39	Stabilization for Positive Markovian Jump Systems with Actuator Saturation. Circuits, Systems, and Signal Processing, 2017, 36, 374-388.	2.0	12
40	L1 control for positive Markovian jump systems with partly known transition rates. International Journal of Control, Automation and Systems, 2017, 15, 274-280.	2.7	9
41	Positive observer design for positive Markovian jump systems with mode-dependent time-varying delays and incomplete transition rates. International Journal of Control, Automation and Systems, 2017, 15, 640-646.	2.7	8
42	Reduced order unknown input observer based distributed fault detection for multi-agent systems. Journal of the Franklin Institute, 2017, 354, 1464-1483.	3.4	45
43	Passivity and passification for stochastic systems with Markovian switching and generally uncertain transition rates. International Journal of Control, Automation and Systems, 2017, 15, 2174-2181.	2.7	16
44	Sucker rod pumping diagnosis using valve working position and parameter optimal continuous hidden Markov model. Journal of Process Control, 2017, 59, 1-12.	3.3	34
45	Further results on finite-time stabilisation for stochastic Markovian jump systems with time-varying delay. International Journal of Systems Science, 2017, 48, 2967-2975.	5.5	26
46	Anti-windup design for stochastic Markovian switching systems with mode-dependent time-varying delays and saturation nonlinearity. Nonlinear Analysis: Hybrid Systems, 2017, 26, 201-211.	3.5	43
47	Admissibility analysis for discrete-time singular Markov jump systems with asynchronous switching. Applied Mathematics and Computation, 2017, 313, 431-441.	2.2	20
48	Data-Driven Robust Output Tracking Control for Gas Collector Pressure System of Coke Ovens. IEEE Transactions on Industrial Electronics, 2017, 64, 4187-4198.	7.9	56
49	Adaptive Sliding Mode Decoupling Control with Data-Driven Sliding Surface for Unknown MIMO Nonlinear Discrete Systems. Circuits, Systems, and Signal Processing, 2017, 36, 969-997.	2.0	38
50	Data-driven sliding mode tracking control for unknown Markovian jump nonlinear systems. IET Control Theory and Applications, 2017, 11, 2716-2723.	2.1	3
51	Robust H_∞ control for stochastic time-delayed Markovian switching systems under partly known transition rates and actuator saturation via anti-windup design. Optimal Control Applications and Methods, 2016, 37, 608-626.	2.1	6
52	H_∞ observer design for stochastic time-delayed systems with Markovian switching under partly known transition rates and actuator saturation. Applied Mathematics and Computation, 2016, 289, 80-97.	2.2	21
53	Positive L1-gain filter design for positive continuous-time Markovian jump systems with partly known transition rates. International Journal of Control, Automation and Systems, 2016, 14, 1413-1420.	2.7	12
54	Positive L1-gain filter design for positive Markovian jump systems with time-varying delay and incomplete transition rates. Canadian Journal of Physics, 2016, 94, 877-883.	1.1	3

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55	Observer-based fault detection for high-order nonlinear multi-agent systems. <i>Journal of the Franklin Institute</i> , 2016, 353, 72-94.	3.4	50
56	Finite-Time Passivity and Passification for Stochastic Time-Delayed Markovian Switching Systems with Partly Known Transition Rates. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3913-3934.	2.0	12
57	Passivity and passification for stochastic Markovian jump systems with incomplete transition rates and actuator saturation. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2016, 230, 2241-2248.	1.3	2
58	Robust unknown input observer based fault detection for high-order multi-agent systems with disturbances. <i>ISA Transactions</i> , 2016, 61, 15-28.	5.7	51
59	Finite-time H_∞ control for stochastic time-delayed Markovian switching systems with partly known transition rates and nonlinearity. <i>International Journal of Systems Science</i> , 2016, 47, 500-508.	5.5	26
60	Finite-Time L_1 Control for Positive Markovian Jump Systems with Partly Known Transition Rates. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 1751-1766.	2.0	3
61	Robust H_∞ Control for Stochastic Markovian Switching Systems Under Partly Known Transition Probabilities and Actuator Saturation via Anti-Windup Design. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 2141-2165.	2.0	3
62	L_1 Control for Positive Markovian Jump Systems with Time-Varying Delays and Partly Known Transition Rates. <i>Circuits, Systems, and Signal Processing</i> , 2015, 34, 2711-2726.	2.0	41
63	State feedback controller design for singular positive Markovian jump systems with partly known transition rates. <i>Applied Mathematics Letters</i> , 2015, 46, 111-116.	2.7	59
64	Using the curve moment and the PSO-SVM method to diagnose downhole conditions of a sucker rod pumping unit. <i>Petroleum Science</i> , 2013, 10, 73-80.	4.9	76