Xianwen Gao

List of Publications by Year in descending order

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64	1,377	304743	361022
papers	citations	22 h-index	35 g-index

64	64	64	914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using the curve moment and the PSO-SVM method to diagnose downhole conditions of a sucker rod pumping unit. Petroleum Science, 2013, 10, 73-80.	4.9	76
2	Intermediate Observer-Based Robust Distributed Fault Estimation for Nonlinear Multiagent Systems With Directed Graphs. IEEE Transactions on Industrial Informatics, 2020, 16, 7426-7436.	11.3	74
3	Fuzzy Integral Sliding-Mode Control for Nonlinear Semi-Markovian Switching Systems With Application. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1674-1683.	9.3	73
4	Distributed Fault Estimation for a Class of Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3382-3390.	9.3	69
5	Exponential stability and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi mathvariant="bold-script">L</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math>-gain analysis for positive time-delay Markovian jump systems with switching transition rates subject to average dwell time. Information Sciences, 2018, 424, 224-234.	6.9	63
6	State feedback controller design for singular positive Markovian jump systems with partly known transition rates. Applied Mathematics Letters, 2015, 46, 111-116.	2.7	59
7	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
8	Robust unknown input observer based fault detection for high-order multi-agent systems with disturbances. ISA Transactions, 2016, 61, 15-28.	5.7	51
9	Observer-based fault detection for high-order nonlinear multi-agent systems. Journal of the Franklin Institute, 2016, 353, 72-94.	3.4	50
10	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
11	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
12	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
13	$$L_1$$ L 1 Control for Positive Markovian Jump Systems with Time-Varying Delays and Partly Known Transition Rates. Circuits, Systems, and Signal Processing, 2015, 34, 2711-2726.	2.0	41
14	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
15	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
16	Diagnosis of Sucker Rod Pump based on generating dynamometer cards. Journal of Process Control, 2019, 77, 76-88.	3.3	34
17	Supervised dictionary-based transfer subspace learning and applications for fault diagnosis of sucker rod pumping systems. Neurocomputing, 2019, 338, 293-306.	5.9	30
18	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

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19	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
20	Fault detection for sucker rod pump based on motor power. Control Engineering Practice, 2019, 86, 37-47.	5.5	27
21	Finite-timeH_{âˆž}control for stochastic time-delayed Markovian switching systems with partly known transition rates and nonlinearity. International Journal of Systems Science, 2016, 47, 500-508.	5.5	26
22	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
23	Using the motor power and XGBoost to diagnose working states of a sucker rod pump. Journal of Petroleum Science and Engineering, 2021, 199, 108329.	4.2	23
24	Hâˆž 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
25	Admissibility analysis for discrete-time singular Markov jump systems with asynchronous switching. Applied Mathematics and Computation, 2017, 313, 431-441.	2.2	20
26	Sucker Rod Pump Working State Diagnosis Using Motor Data and Hidden Conditional Random Fields. IEEE Transactions on Industrial Electronics, 2020, 67, 7919-7928.	7.9	19
27	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
28	Asynchronous control of timeâ€delayed switched systems with actuator saturation via antiâ€windup design. Optimal Control Applications and Methods, 2018, 39, 1-18.	2.1	16
29	Observer-based sliding mode control for switched positive nonlinear systems with asynchronous switching. Nonlinear Dynamics, 2018, 93, 2433-2444.	5.2	15
30	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
31	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
32	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
33	Stochastic Stability, â„’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
34	Distributed event-triggered sliding mode control of switched systems. Journal of the Franklin Institute, 2019, 356, 10296-10314.	3.4	13
35	Positive L 1-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
36	Finite-Time Passivity and Passification for Stochastic Time-Delayed Markovian Switching Systems with Partly Known Transition Rates. Circuits, Systems, and Signal Processing, 2016, 35, 3913-3934.	2.0	12

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37	Stabilization for Positive Markovian Jump Systems with Actuator Saturation. Circuits, Systems, and Signal Processing, 2017, 36, 374-388.	2.0	12
38	Stability for delayed switched systems with Markov jump parameters and generally incomplete transition rates. Applied Mathematics and Computation, 2020, 365, 124718.	2.2	12
39	L 1 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
40	Chattering-free model free adaptive sliding mode control for gas collection process with data dropout. Journal of Process Control, 2020, 93, 1-13.	3.3	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	Fault Diagnosis of Sucker Rod Pump Based on Deep-Broad Learning Using Motor Data. IEEE Access, 2020, 8, 222562-222571.	4.2	8
43	Composite antiâ€disturbance control for semiâ€Markovian jump systems with timeâ€varying delay and generally uncertain transition rates via disturbance observer. IET Control Theory and Applications, 2020, 14, 1877-1887.	2.1	8
44	Robust H_{â^ž} control for stochastic timeâ€delayed Markovian switching systems under partly known transition rates and â€‰actuator saturation via antiâ€windup design. Optimal Control Applications and Methods, 2016, 37, 608-626.	2.1	6
45	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
46	Supervised data-dependent kernel sparsity preserving projection for image recognition. Applied Intelligence, 2018, 48, 4923-4936.	5.3	6
47	Disturbanceâ€observerâ€“based control for Markov jump systems with timeâ€varying delay. Optimal Control Applications and Methods, 2018, 39, 575-588.	2.1	5
48	Soft sensor hybrid model of dynamic liquid level for sucker rod pump oil wells. Transactions of the Institute of Measurement and Control, 2021, 43, 1843-1857.	1.7	5
49	Finite-Time $$L_2$$ L 2 â€“ $$L_infty $$ L â^ž Control for Stochastic Asynchronously Switched. Circuits, Systems, and Signal Processing, 2018, 37, 112-134.	2.0	4
50	Adaptive Regulation of Discrete-Time Nonaffine Systems With Parametric Uncertainty. IEEE Transactions on Automatic Control, 2021, 66, 2365-2371.	5.7	4
51	Anti-disturbance control for time-varying delayed semi-Markovian jump systems with saturation and generally uncertain transition rates via disturbance observer. International Journal of Systems Science, 2021, 52, 1251-1269.	5.5	4
52	Robust H-infinity Control for Stochastic Markovian Switching Systems Under Partly Known Transition Probabilities and Actuator Saturation via Anti-Windup Design. Circuits, Systems, and Signal Processing, 2015, 34, 2141-2165.	2.0	3
53	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
54	Finite-Time $$L_1$$ L 1 Control for Positive Markovian Jump Systems with Partly Known Transition Rates. Circuits, Systems, and Signal Processing, 2016, 35, 1751-1766.	2.0	3

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55	Dataâ€driven sliding mode tracking control for unknown Markovian jump nonâ€linear systems. IET Control Theory and Applications, 2017, 11, 2716-2723.	2.1	3
56	Finite-time boundedness analysis and composite anti-disturbance control for uncertain semi-Markovian jump systems with time delay. Science China Information Sciences, 2022, 65, 1.	4.3	3
57	Unsupervised Fault Diagnosis of Sucker Rod Pump Using Domain Adaptation with Generated Motor Power Curves. Mathematics, 2022, 10, 1224.	2.2	3
58	Passivity and passification for stochastic Markovian jump systems with incomplete transition rates and actuator saturation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 2241-2248.	1.3	2
59	Data-dependent kernel sparsity preserving projection and its application for semi-supervised classification. Multimedia Tools and Applications, 2018, 77, 24459-24475.	3.9	2
60	Constrained Model Predictive Control for Nonlinear Markov Jump System With Persistent Disturbance via Quadratic Boundedness. IEEE Access, 2020, 8, 168273-168281.	4.2	2
61	Multi-Weighted Partial Domain Adaptation for Sucker Rod Pump Fault Diagnosis Using Motor Power Data. Mathematics, 2022, 10, 1519.	2.2	2
62	Motor Power Based Inversion of Dynamometer Cards Using Hybrid Model. , 2020, , .		1
63	Asynchronous control of Markov jump linear systems with incomplete transition descriptions. , 2019, , .		0
64	Disturbance-observer-based control for semi-Markovian jump systems with time-varying delay and generally uncertain transition rate. Transactions of the Institute of Measurement and Control, 2021, 43, 1571-1586.	1.7	0