

Gao Xinwen

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

919
citations

516215

16
h-index

500791

28
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80
all docs

80
docs citations

80
times ranked

734
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. <i>Petroleum Science</i> , 2013, 10, 73-80.	2.4	76
2	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.	7.2	74
3	Distributed Fault Estimation for a Class of Nonlinear Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3382-3390.	5.9	69
4	Data-Driven Robust Output Tracking Control for Gas Collector Pressure System of Coke Ovens. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4187-4198.	5.2	56
5	Robust unknown input observer based fault detection for high-order multi-agent systems with disturbances. <i>ISA Transactions</i> , 2016, 61, 15-28.	3.1	51
6	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.	1.2	41
7	Adaptive Sliding Mode Decoupling Control with Data-Driven Sliding Surface for Unknown MIMO Nonlinear Discrete Systems. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 969-997.	1.2	38
8	Fault Detection Strategy Based on Weighted Distance of k -Nearest Neighbors for Semiconductor Manufacturing Processes. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2019, 32, 75-81.	1.4	36
9	Fault Diagnosis of Rod Pumping Wells Based on Support Vector Machine Optimized by Improved Chicken Swarm Optimization. <i>IEEE Access</i> , 2019, 7, 171598-171608.	2.6	29
10	Fault detection for sucker rod pump based on motor power. <i>Control Engineering Practice</i> , 2019, 86, 37-47.	3.2	27
11	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.	3.7	26
12	Further results on finite-time stabilisation for stochastic Markovian jump systems with time-varying delay. <i>International Journal of Systems Science</i> , 2017, 48, 2967-2975.	3.7	26
13	Soft sensor of flotation froth grade classification based on hybrid deep neural network. <i>International Journal of Production Research</i> , 2021, 59, 4794-4810.	4.9	23
14	Nearest neighbor difference rule-based kernel principal component analysis for fault detection in semiconductor manufacturing processes. <i>Journal of Chemometrics</i> , 2017, 31, e2888.	0.7	19
15	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.	5.2	19
16	Passivity and passification for stochastic systems with Markovian switching and generally uncertain transition rates. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 2174-2181.	1.6	16
17	Asynchronous control of time-delayed switched systems with actuator saturation via anti-windup design. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1-18.	1.3	16
18	Passivity and passification for switching Markovian jump systems with time-varying delay and generally uncertain transition rates. <i>IET Control Theory and Applications</i> , 2016, 10, 1944-1955.	1.2	15

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19	Observer-based sliding mode control for switched positive nonlinear systems with asynchronous switching. <i>Nonlinear Dynamics</i> , 2018, 93, 2433-2444.	2.7	15
20	New Results on Finite-time Stabilization for Stochastic Systems with Time-varying Delay. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 649-658.	1.6	14
21	Fault detection and diagnosis strategy based on a weighted and combined index in the residual subspace associated with PCA. <i>Journal of Chemometrics</i> , 2018, 32, e2981.	0.7	13
22	Stochastic Stability, H_2 -gain and Control Synthesis for Positive Semi-Markov Jump Systems. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 2055-2062.	1.6	13
23	Positive L_1 -gain filter design for positive continuous-time Markovian jump systems with partly known transition rates. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 1413-1420.	1.6	12
24	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.	1.2	12
25	Stabilization for Positive Markovian Jump Systems with Actuator Saturation. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 374-388.	1.2	12
26	An improved gradient-based NSGA-II algorithm by a new chaotic map model. <i>Soft Computing</i> , 2017, 21, 7235-7249.	2.1	10
27	L_1 control for positive Markovian jump systems with partly known transition rates. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 274-280.	1.6	9
28	Positive observer design for positive Markovian jump systems with mode-dependent time-varying delays and incomplete transition rates. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 640-646.	1.6	8
29	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.	1.2	8
30	Soft sensor modelling of propylene conversion based on a Takagi-Sugeno fuzzy neural network optimized with independent component analysis and mutual information. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 737-748.	1.1	7
31	Robust H_∞ control for stochastic time-delayed Markovian switching systems under partly known transition rates and actuator saturation via anti-windup design. <i>Optimal Control Applications and Methods</i> , 2016, 37, 608-626.	1.3	6
32	Electric-Parameter-Based Inversion of Dynamometer Card Using Hybrid Modeling for Beam Pumping System. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-12.	0.6	6
33	Supervised data-dependent kernel sparsity preserving projection for image recognition. <i>Applied Intelligence</i> , 2018, 48, 4923-4936.	3.3	6
34	Disturbance-observer-based control for time-delay Markovian jump systems subject to actuator saturation. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 605-614.	1.1	6
35	Simulation Research of Genetic Neural Network based PID Control for Coke Oven Heating. , 2006, , .		5
36	Disturbance-observer-based control for Markov jump systems with time-varying delay. <i>Optimal Control Applications and Methods</i> , 2018, 39, 575-588.	1.3	5

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37	Observer design for stochastic time-delayed Markovian jump systems with incomplete transition rates and actuator saturation. <i>Optimal Control Applications and Methods</i> , 2020, 41, 239-252.	1.3	5
38	Fault detection for high-order multi-agent systems with disturbances. , 2015, , .		4
39	A novel optimization approach for oil and gas production process considering model parameters uncertainties. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1710-1722.	0.9	4
40	H ∞ control for stochastic time-delayed Markovian switching systems with partly known transition rates and input saturation. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 637-646.	1.6	4
41	Positive observer design for positive Markovian jump systems with partly known transition rates. <i>Journal of Systems Science and Complexity</i> , 2017, 30, 307-315.	1.6	4
42	Finite-Time H_2 H_∞ Control for Stochastic Asynchronously Switched. Circuits, Systems, and Signal Processing, 2018, 37, 112-134.	1.2	4
43	Practical Parameter Estimator for Dynamometer Card of Rod Pumping Systems by Measuring Terminal Data of Drive Motor. , 2019, , .		4
44	A soft sensor based on case-based reasoning for iron ores flotation. <i>Ironmaking and Steelmaking</i> , 2020, 47, 150-158.	1.1	4
45	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.	3.7	4
46	A Method of Ore Blending Based on the Quality of Beneficiation and Its Application in a Concentrator. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5092.	1.3	4
47	Research on integrated modeling method and maximum power point tracking control of photovoltaic systems. , 2013, , .		3
48	Model Predictive Control of Coke Oven Gas Collector Pressure. <i>Journal of Chemical Engineering of Japan</i> , 2014, 47, 267-277.	0.3	3
49	Robust H-infinity 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.	1.2	3
50	Positive L1-gain filter design for positive Markovian jump systems with time-varying delay and incomplete transition rates. <i>Canadian Journal of Physics</i> , 2016, 94, 877-883.	0.4	3
51	Finite-Time H_1 Control for Positive Markovian Jump Systems with Partly Known Transition Rates. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 1751-1766.	1.2	3
52	Data-driven sliding mode tracking control for unknown Markovian jump nonlinear systems. <i>IET Control Theory and Applications</i> , 2017, 11, 2716-2723.	1.2	3
53	Soft sensor modelling of acrolein conversion based on hidden Markov model of principle component analysis and fireworks algorithm. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 3052-3062.	0.9	3
54	The Research of Sintering Ore Blending Based on Profit Maximization. , 2019, , .		3

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55	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.	2.7	3
56	A Method for Surface Detect Classification of Hot Rolled Strip Steel based on Xception. , 2021, , .		3
57	Simulation and Research of Fuzzy Immune Adaptive PID Control in Coke Oven Temperature Control System. , 2006, , .		2
58	Study on multi-objective optimization of oil production process. , 2014, , .		2
59	Robust adaptive control for a class of uncertain non-affine nonlinear systems using affine-type neural networks. <i>International Journal of Systems Science</i> , 2016, 47, 2691-2699.	3.7	2
60	Passivity and passification for stochastic Markovian jump systems with incomplete transition rates and actuator saturation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering</i> , 2016, 230, 2241-2248.	0.7	2
61	Data-dependent kernel sparsity preserving projection and its application for semi-supervised classification. <i>Multimedia Tools and Applications</i> , 2018, 77, 24459-24475.	2.6	2
62	Constrained Model Predictive Control for Nonlinear Markov Jump System With Persistent Disturbance via Quadratic Boundedness. <i>IEEE Access</i> , 2020, 8, 168273-168281.	2.6	2
63	Multi-Weighted Partial Domain Adaptation for Sucker Rod Pump Fault Diagnosis Using Motor Power Data. <i>Mathematics</i> , 2022, 10, 1519.	1.1	2
64	Soft sensor of iron tailings grade based on froth image features for reverse flotation. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 2928-2940.	1.1	2
65	Application of multi-agent technique in petroleum production. , 2010, , .		1
66	Review on control method of PVC production process. , 2010, , .		1
67	Dynamic liquid level modeling of sucker-rod pumping systems based on Gaussian process regression. , 2013, , .		1
68	Analysis of current situation and existing problems in greenhouse environment control. , 2014, , .		1
69	Delayâ€dependent output feedback H^1 control for positive Markovian jump systems with modeâ€dependent timeâ€varying delays and partly known transition rates. <i>Optimal Control Applications and Methods</i> , 2017, 38, 709-719.	1.3	1
70	Diagnosis for Sucker Rod Pumps Using Bayesian Networks and Dynamometer Card. , 2019, , .		1
71	Motor Power Based Inversion of Dynamometer Cards Using Hybrid Model. , 2020, , .		1
72	SDDA: a method of surface defect data augmentation of hot-rolled strip steel. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.5	1

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73	Status quo of research on the application of dynamometer card in oil production process control. , 2010, , .		0
74	Finite-time stability for positive Markovian jump systems with partly known transition rates. , 2015, , .		0
75	Asynchronous control of Markov jump linear systems with incomplete transition descriptions. , 2019, , .		0
76	Research on data driven modeling method of grinding process based on RBF neural network. , 2019, , .		0
77	Self-adaptive chaotic local search particle swarm optimization for propylene explosion region parameter identification. , 2019, , .		0
78	Reagent dosage intelligent optimal setting for iron ore flotation process based on CBR. , 2019, , .		0
79	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.	1.1	0
80	Controllability of uncertain polynomial fuzzy singular systems. , 2020, , .		0