Gao Xinwen

List of Publications by Year
in descending order

80 papers	919 citations	516215 16 h-index	500791 28 g-index
80 all docs	80 docs citations	80 times ranked	734 citing authors

#	Article	IF	Citations
1	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.	2.7	3
2	SDDA: a method of surface defect data augmentation of hot-rolled strip steel. Journal of Electronic Imaging, 2022, 31, .	0.5	1
3	Multi-Weighted Partial Domain Adaptation for Sucker Rod Pump Fault Diagnosis Using Motor Power Data. Mathematics, 2022, 10, 1519.	1.1	2
4	Soft sensor of iron tailings grade based on froth image features for reverse flotation. Transactions of the Institute of Measurement and Control, 2022, 44, 2928-2940.	1.1	2
5	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
6	Soft sensor of flotation froth grade classification based on hybrid deep neural network. International Journal of Production Research, 2021, 59, 4794-4810.	4.9	23
7	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.	3.7	4
8	A Method of Ore Blending Based on the Quality of Beneficiation and Its Application in a Concentrator. Applied Sciences (Switzerland), 2021, 11, 5092.	1.3	4
9	A Method for Surface Detect Classification of Hot Rolled Strip Steel based on Xception. , 2021, , .		3
10	Distributed Fault Estimation for a Class of Nonlinear Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3382-3390.	5.9	69
11	A soft sensor based on case-based reasoning for iron ores flotation. Ironmaking and Steelmaking, 2020, 47, 150-158.	1.1	4
12	Observer design for stochastic time‐delayed Markovian jump systems with incomplete transition rates and actuator saturation. Optimal Control Applications and Methods, 2020, 41, 239-252.	1.3	5
13	Sucker Rod Pump Working State Diagnosis Using Motor Data and Hidden Conditional Random Fields. IEEE Transactions on Industrial Electronics, 2020, 67, 7919-7928.	5.2	19
14	Intermediate Observer-Based Robust Distributed Fault Estimation for Nonlinear Multiagent Systems With Directed Graphs. IEEE Transactions on Industrial Informatics, 2020, 16, 7426-7436.	7.2	74
15	Motor Power Based Inversion of Dynamometer Cards Using Hybrid Model. , 2020, , .		1
16	Constrained Model Predictive Control for Nonlinear Markov Jump System With Persistent Disturbance via Quadratic Boundedness. IEEE Access, 2020, 8, 168273-168281.	2.6	2
17	Composite anti‐disturbance control for semi‐Markovian jump systems with time‐varying delay and generally uncertain transition rates via disturbance observer. IET Control Theory and Applications, 2020, 14, 1877-1887.	1.2	8
18	Controllability of uncertain polynomial fuzzy singular systems. , 2020, , .		0

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19	Disturbance-observer-based control for time-delay Markovian jump systems subject to actuator saturation. Transactions of the Institute of Measurement and Control, 2019, 41, 605-614.	1.1	6
20	Fault Detection Strategy Based on Weighted Distance of <inline-formula> <tex-math notation="LaTeX">k </tex-math> </inline-formula> Nearest Neighbors for Semiconductor Manufacturing Processes. IEEE Transactions on Semiconductor Manufacturing, 2019, 32, 75-81.	1.4	36
21	Soft sensor modelling of propylene conversion based on a Takagi-Sugeno fuzzy neural network optimized with independent component analysis and mutual information. Transactions of the Institute of Measurement and Control, 2019, 41, 737-748.	1.1	7
22	Soft sensor modelling of acrolein conversion based on hidden Markov model of principle component analysis and fireworks algorithm. Canadian Journal of Chemical Engineering, 2019, 97, 3052-3062.	0.9	3
23	Fault detection for sucker rod pump based on motor power. Control Engineering Practice, 2019, 86, 37-47.	3.2	27
24	The Research of Sintering Ore Blending Based on Profit Maximization. , 2019, , .		3
25	Asynchronous control of Markov jump linear systems with incomplete transition descriptions. , 2019, , .		0
26	Diagnosis for Sucker Rod Pumps Using Bayesian Networks and Dynamometer Card. , 2019, , .		1
27	Research on data driven modeling method of grinding process based on RBF neural network. , 2019, , .		0
28	Self-adaptive chaotic local search particle swarm optimization for propylene explosion region parameter identification. , 2019, , .		0
29	Practical Parameter Estimator for Dynamometer Card of Rod Pumping Systems by Measuring Terminal Data of Drive Motor. , 2019, , .		4
30	Reagent dosage intelligent optimal setting for iron ore flotation process based on CBR. , 2019, , .		0
31	Fault Diagnosis of Rod Pumping Wells Based on Support Vector Machine Optimized by Improved Chicken Swarm Optimization. IEEE Access, 2019, 7, 171598-171608.	2.6	29
32	Data-dependent kernel sparsity preserving projection and its application for semi-supervised classification. Multimedia Tools and Applications, 2018, 77, 24459-24475.	2.6	2
33	New Results on Finite-time Stabilization for Stochastic Systems with Time-varying Delay. International Journal of Control, Automation and Systems, 2018, 16, 649-658.	1.6	14
34	Fault detection and diagnosis strategy based on a weighted and combined index in the residual subspace associated with <scp>PCA</scp>. Journal of Chemometrics, 2018, 32, e2981.	0.7	13
35	Asynchronous control of timeâ€delayed switched systems with actuator saturation via antiâ€windup design. Optimal Control Applications and Methods, 2018, 39, 1-18.	1.3	16
36	Finite-Time $$L_2$$ L 2 â€" $$L_infty $$ L âˆž Control for Stochastic Asynchronously Switched. Circuits, Systems, and Signal Processing, 2018, 37, 112-134.	1.2	4

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37	Disturbance‐observer‐based control for Markov jump systems with time‐varying delay. Optimal Control Applications and Methods, 2018, 39, 575-588.	1.3	5
38	Observer-based sliding mode control for switched positive nonlinear systems with asynchronous switching. Nonlinear Dynamics, 2018, 93, 2433-2444.	2.7	15
39	Stochastic Stability, ℓ_1-gain and Control Synthesis for Positive Semi-Markov Jump Systems. International Journal of Control, Automation and Systems, 2018, 16, 2055-2062.	1.6	13
40	Electric-Parameter-Based Inversion of Dynamometer Card Using Hybrid Modeling for Beam Pumping System. Mathematical Problems in Engineering, 2018, 2018, 1-12.	0.6	6
41	Supervised data-dependent kernel sparsity preserving projection for image recognition. Applied Intelligence, 2018, 48, 4923-4936.	3.3	6
42	Stabilization for Positive Markovian Jump Systems with Actuator Saturation. Circuits, Systems, and Signal Processing, 2017, 36, 374-388.	1.2	12
43	L 1 control for positive Markovian jump systems with partly known transition rates. International Journal of Control, Automation and Systems, 2017, 15, 274-280.	1.6	9
44	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.	1.6	8
45	Nearest neighbor difference rule‐based kernel principal component analysis for fault detection in semiconductor manufacturing processes. Journal of Chemometrics, 2017, 31, e2888.	0.7	19
46	Positive observer design for positive Markovian jump systems with partly known transition rates. Journal of Systems Science and Complexity, 2017, 30, 307-315.	1.6	4
47	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.	1.6	16
48	Further results on finite-time stabilisation for stochastic Markovian jump systems with time-varying delay. International Journal of Systems Science, 2017, 48, 2967-2975.	3.7	26
49	Delay‐dependent output feedback L_1 control for positive Markovian jump systems with mode‐dependent time‐varying delays and partly known transition rates. Optimal Control Applications and Methods, 2017, 38, 709-719.	1.3	1
50	Data-Driven Robust Output Tracking Control for Gas Collector Pressure System of Coke Ovens. IEEE Transactions on Industrial Electronics, 2017, 64, 4187-4198.	5.2	56
51	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.	1.2	38
52	An improved gradient-based NSGA-II algorithm by a new chaotic map model. Soft Computing, 2017, 21, 7235-7249.	2.1	10
53	Data‐driven sliding mode tracking control for unknown Markovian jump non‐linear systems. IET Control Theory and Applications, 2017, 11, 2716-2723.	1.2	3
54	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.	1.3	6

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55	A novel optimization approach for oil and gas production process considering model parameters uncertainties. Canadian Journal of Chemical Engineering, 2016, 94, 1710-1722.	0.9	4
56	Passivity and passification for switching Markovian jump systems with time€varying delay and generally uncertain transition rates. IET Control Theory and Applications, 2016, 10, 1944-1955.	1.2	15
57	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.	1.6	12
58	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.	0.4	3
59	H_∞ control for sochastic time-delayed Markovian switching systems with partly known transition rates and input saturation. International Journal of Control, Automation and Systems, 2016, 14, 637-646.	1.6	4
60	Robust adaptive control for a class of uncertain non-affine nonlinear systems using affine-type neural networks. International Journal of Systems Science, 2016, 47, 2691-2699.	3.7	2
61	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.	1.2	12
62	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.	0.7	2
63	Robust unknown input observer based fault detection for high-order multi-agent systems with disturbances. ISA Transactions, 2016, 61, 15-28.	3.1	51
64	Finite-time H_∞ control for stochastic time-delayed Markovian switching systems with partly known transition rates and nonlinearity. International Journal of Systems Science, 2016, 47, 500-508.	3.7	26
65	Finite-Time L_1 Control for Positive Markovian Jump Systems with Partly Known Transition Rates. Circuits, Systems, and Signal Processing, 2016, 35, 1751-1766.	1.2	3
66	Finite-time stability for positive Markovian jump systems with partly known transition rates. , 2015, , .		0
67	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.	1.2	3
68	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.	1.2	41
69	Fault detection for high-order multi-agent systems with disturbances. , 2015, , .		4
70	Model Predictive Control of Coke Oven Gas Collector Pressure. Journal of Chemical Engineering of Japan, 2014, 47, 267-277.	0.3	3
71	Analysis of current situation and existing problems in greenhouse environment control. , 2014, , .		1
72	Study on multi-objective optimization of oil production process. , 2014, , .		2

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73	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.	2.4	76
74	Research on integrated modeling method and maximum power point tracking control of photovoltaic systems. , 2013, , .		3
75	Dynamic liquid level modeling of sucker-rod pumping systems based on Gaussian process regression. , 2013, , .		1
76	Status quo of research on the application of dynamometer card in oil production process control. , 2010, , .		0
77	Application of multi-agent technique in petroleum production. , 2010, , .		1
78	Review on control method of PVC production process. , 2010, , .		1
79	Simulation Research of Genetic Neural Network based PID Control for Coke Oven Heating. , 2006, , .		5
80	Simulation and Research of Fuzzy Immune Adaptive PID Control in Coke Oven Temperature Control System. , 2006, , .		2