Yaogang Chen

List of Publications by Year
in descending order

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		567281	434195
60	1,026	15	31
papers	citations	h-index	g-index

60	60	60	827
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asynchronous Fault Detection for Interval Type-2 Fuzzy Nonhomogeneous Higher Level Markov Jump Systems With Uncertain Transition Probabilities. IEEE Transactions on Fuzzy Systems, 2022, 30, 2487-2499.	9.8	121
2	H_{âˆž}Control for Discrete-Time Markov Jump Systems With Uncertain Transition Probabilities. IEEE Transactions on Automatic Control, 2013, 58, 1566-1572.	5.7	104
3	Observer-Based Asynchronous Fault Detection for Conic-Type Nonlinear Jumping Systems and its Application to Separately Excited DC Motor. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 951-962.	5.4	92
4	Asynchronous Output Feedback Control for a Class of Conic-Type Nonlinear Hidden Markov Jump Systems Within a Finite-Time Interval. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7644-7651.	9.3	81
5	Finite-time asynchronous dissipative filtering of conic-type nonlinear Markov jump systems. Science China Information Sciences, 2021, 64, 1.	4.3	68
6	Dynamic Self-Triggered Controller Codesign for Markov Jump Systems. IEEE Transactions on Automatic Control, 2021, 66, 1353-1360.	5.7	49
7	Reinforcement learning and adaptive optimization of a class of Markov jump systems with completely unknown dynamic information. Neural Computing and Applications, 2020, 32, 14311-14320.	5.6	47
8	Robust adaptive control for greenhouse climate using neural networks. International Journal of Robust and Nonlinear Control, 2011, 21, 815-826.	3.7	41
9	Finiteâ€time stabilisation for Markov jump systems with Gaussian transition probabilities. IET Control Theory and Applications, 2013, 7, 298-304.	2.1	38
10	Finite-Time Stabilization of Switching Markov Jump Systems with Uncertain Transition Rates. Circuits, Systems, and Signal Processing, 2015, 34, 3741-3756.	2.0	34
11	Centralized PI control for high dimensional multivariable systems based on equivalent transfer function. ISA Transactions, 2014, 53, 1554-1561.	5.7	28
12	Higher order moment stability region for Markov jump systems based on cumulant generating function. Automatica, 2018, 93, 389-396.	5.0	27
13	Bayesian Inference for State-Space Models With Student-t Mixture Distributions. IEEE Transactions on Cybernetics, 2023, 53, 4435-4445.	9.5	27
14	H_{â€‰âˆžâ€‰} filtering for discreteâ€time Markov jump systems with unknown transition probabilities. International Journal of Adaptive Control and Signal Processing, 2014, 28, 138-148.	4.1	23
15	Finiteâ€frequency fault detection based on derandomisation for Markov jump linear system. IET Control Theory and Applications, 2018, 12, 1148-1155.	2.1	16
16	Finiteâ€time H _{âˆž} control with average dwellâ€time constraint for timeâ€delay Markov jump systems governed by deterministic switches. IET Control Theory and Applications, 2014, 8, 968-977.	2.1	15
17	High-Order Moment Filtering for Markov Jump Systems in Finite Frequency Domain. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1217-1221.	3.0	15
18	Finiteâ€time stabilisation for a class of timeâ€delayed Markovian jumping systems with conic nonâ€linearities. IET Control Theory and Applications, 2019, 13, 1279-1283.	2.1	15

#	Article	IF	Citations
19	Observerâ€based finiteâ€time stabilization for extended Markov jump systems. Asian Journal of Control, 2011, 13, 925-935.	3.0	14
20	Sensor Fault Estimation in a Probabilistic Framework for Industrial Processes and its Applications. IEEE Transactions on Industrial Informatics, 2022, 18, 387-396.	11.3	13
21	Stochastic consensus control with finite frequency specification for Markov jump networks. International Journal of Robust and Nonlinear Control, 2016, 26, 2961-2974.	3.7	12
22	Robust finiteâ€time control and estimation for uncertain timeâ€delayed switched systems by observerâ€based sliding mode technique. Optimal Control Applications and Methods, 2020, 41, 1813-1830.	2.1	12
23	Solving the Zero-Sum Control Problem for Tidal Turbine System: An Online Reinforcement Learning Approach. IEEE Transactions on Cybernetics, 2023, 53, 7635-7647.	9.5	11
24	Finiteâ€time asynchronous resilient observer design of a class of nonâ€linear switched systems with timeâ€delays and uncertainties. IET Control Theory and Applications, 2020, 14, 952-963.	2.1	10
25	Stochastic finiteâ€time consensualisation for Markov jump networks with disturbance. IET Control Theory and Applications, 2015, 9, 2340-2347.	2.1	9
26	A resource-aware sliding mode control approach for Markov jump systems. ISA Transactions, 2022, 124, 318-325.	5.7	8
27	Observer Based Finite-Time Stabilization for Discrete-Time Markov Jump Systems with Gaussian Transition Probabilities. Circuits, Systems, and Signal Processing, 2014, 33, 3019-3035.	2.0	7
28	Compensator design based on inverted decoupling for nonâ€square processes. IET Control Theory and Applications, 2017, 11, 996-1005.	2.1	7
29	Multilevel LASSO-based NIR temperature-correction modeling for viscosity measurement of bisphenol-A. ISA Transactions, 2020, 107, 206-213.	5.7	7
30	Riskâ€sensitive filtering for nonlinear Markov jump systems on the basis of particle approximation. International Journal of Adaptive Control and Signal Processing, 2012, 26, 158-170.	4.1	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.	0.9	6
32	A Fusion Kalman Filter and UFIR Estimator Using the Influence Function Method. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 709-718.	13.1	6
33	Model Predictive Control of Mineral Column Flotation Process. Mathematics, 2018, 6, 100.	2.2	5
34	Stochastic given-time Hâˆž consensus over Markov jump networks with disturbance constraint. Transactions of the Institute of Measurement and Control, 2017, 39, 1253-1261.	1.7	4
35	Probabilistic PCR based near-infrared modeling with temperature compensation. ISA Transactions, 2018, 81, 46-51.	5.7	4
36	Fault Detection Based on Near-Infrared Spectra for the Oil Desalting Process. Applied Spectroscopy, 2018, 72, 1199-1204.	2.2	4

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37	Label-free rapid detection of invasive S. cerevisiae infections with optically induced dielectrophoresis-based micromanipulation and graphene transistor. IEEE Sensors Journal, 2021, , 1-1.	4.7	4
38	Confidence set-membership state estimation for LPV systems with inexact scheduling variables. ISA Transactions, 2022, 122, 38-48.	5.7	4
39	optimal control for semiâ€Markov jump linear systems via TPâ€free temporal difference () learning. International Journal of Robust and Nonlinear Control, 2021, 31, 6905-6916.	3.7	4
40	Multitask Maximum Likelihood Identification for ARX Model With Multisensor. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	4
41	Interaction measurement for complex multivariable models with various reference inputs based on RNGA. , 2017, , .		3
42	Given-time consensus for stochastic Markov jump networks by dynamic output feedback. Transactions of the Institute of Measurement and Control, 2018, 40, 3160-3168.	1.7	3
43	High-Order Moment Recursive State Estimation of Markov Jump Linear Systems. IEEE Access, 2018, 6, 70788-70793.	4.2	3
44	High-order moment stabilization for Markov jump systems with attenuation rate. Journal of the Franklin Institute, 2019, 356, 9677-9688.	3.4	3
45	Robust control for Markov jump linear systems with unknown transition probabilities â€“ an online temporal differences approach. Transactions of the Institute of Measurement and Control, 2020, 42, 3043-3051.	1.7	3
46	Isolation method of Saccharomyces cerevisiae from red blood cells based on the optically induced dielectrophoresis technique for the rapid detection of fungal infections. Biomedical Optics Express, 2022, 13, 559.	2.9	3
47	Multiâ€manifold <scp>NIRS</scp> modelling via stacked contractive autoâ€encoders. Canadian Journal of Chemical Engineering, 2021, 99, 1363-1373.	1.7	2
48	Measurement Method of Akkermansia Muciniphila by Graphene-Based Transistor for Diseases Diagnosis. IEEE Nanotechnology Magazine, 2021, 20, 332-337.	2.0	2
49	Derandomisation-based multiple frequency control for stochastic Markov jump systems. International Journal of Systems Science, 2019, 50, 91-103.	5.5	1
50	Finite-frequency self-triggered model predictive control for Markov jump systems subject to actuator saturation. Transactions of the Institute of Measurement and Control, 2022, 44, 2406-2417.	1.7	1
51	Corrigendum to â€œStabilizing Parametric Region of Multiloop PID Controllers for Multivariable Systems Based on Equivalent Transfer Functionâ€. Mathematical Problems in Engineering, 2017, 2017, 1-1.	1.1	0
52	Prediction uncertainty of new product development based on the T-PLS model. , 2018, , .		0
53	Process Pattern-Based Near-Infrared Spectroscopy (NIRS) Fault Detection Using a Potential Function. Applied Spectroscopy, 2019, 73, 403-414.	2.2	0
54	Integrated Metabolic and Kinetic Modeling for Lysine Production. Industrial & Engineering Chemistry Research, 2020, 59, 11012-11021.	3.7	0

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55	Finite-time higher-order moment state estimation for Markov jump linear system with time-correlated measurement noise. Transactions of the Institute of Measurement and Control, 2021, 43, 2103-2110.	1.7	0
56	Prediction of Social Ownership of Typical Household Appliances Based on Improved Grey Models. , 2021, , .		0
57	O-cresol Concentration Online Measurement Based On Near Infrared Spectroscopy Via Partial Least Square Regression. Journal of Visualized Experiments, 2019, , .	0.3	0
58	A novel encapsulating method of pasteurized Akkermansia muciniphila with double-network hydrogel microstructures by a digital mask printing system. , 2021, , .		0
59	Trend similarity MWPCA based fault monitoring for xylenol tail gas treatment process. , 2021, , .		0
60	Iterative Maximum Likelihood FIR Filter for State-Space Models with Time-Stamped Delayed and Missing Data. Circuits, Systems, and Signal Processing, 0, , .	2.0	0