

# Xiaochen Xie

## List of Publications by Year in descending order

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32  
papers

2,071  
citations

516561

16  
h-index

526166

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1923  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Basic Data-Driven Approaches for Industrial Process Monitoring. IEEE Transactions on Industrial Electronics, 2014, 61, 6418-6428.	5.2	1,276
2	Guaranteed cost control of periodic piecewise linear time-delay systems. Automatica, 2018, 94, 274-282.	3.0	81
3	Asymptotic stability and stabilisation of uncertain delta operator systems with time-varying delays. IET Control Theory and Applications, 2013, 7, 1071-1078.	1.2	79
4	An Improved Incremental Learning Approach for KPI Prognosis of Dynamic Fuel Cell System. IEEE Transactions on Cybernetics, 2016, 46, 3135-3144.	6.2	75
5	A Nonlinear Process Monitoring Approach With Locally Weighted Learning of Available Data. IEEE Transactions on Industrial Electronics, 2017, 64, 1507-1516.	5.2	75
6	An Advanced PLS Approach for Key Performance Indicator Related Prediction and Diagnosis in Case of Outliers. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	70
7	Finite-time $H_\infty$ control of periodic piecewise linear systems. International Journal of Systems Science, 2017, 48, 2333-2344.	3.7	61
8	Eye-in-Hand Visual Servoing Enhanced With Sparse Strain Measurement for Soft Continuum Robots. IEEE Robotics and Automation Letters, 2020, 5, 2161-2168.	3.3	53
9	A Novel Scheme of Nonfragile Controller Design for Periodic Piecewise LTV Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 10766-10775.	5.2	37
10	Robust time-weighted guaranteed cost control of uncertain periodic piecewise linear systems. Information Sciences, 2018, 460-461, 238-253.	4.0	33
11	$H_\infty$ control problem of linear periodic piecewise time-delay systems. International Journal of Systems Science, 2018, 49, 997-1011.	3.7	28
12	A novel $H_\infty$ tracking control scheme for periodic piecewise time-varying systems. Information Sciences, 2019, 484, 71-83.	4.0	24
13	Peak-to-peak filtering for periodic piecewise linear polytopic systems. International Journal of Systems Science, 2018, 49, 1997-2011.	3.7	22
14	Non-fragile control of periodic piecewise linear time-varying systems with time delay. IET Control Theory and Applications, 2019, 13, 2217-2227.	1.2	22
15	Energy-to-Peak Output Tracking Control of Actuator Saturated Periodic Piecewise Time-Varying Systems With Nonlinear Perturbations. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2578-2590.	5.9	21
16	A Bernstein Polynomial Approach to Estimating Reachable Set of Periodic Piecewise Polynomial Systems. IEEE Transactions on Automatic Control, 2021, 66, 4812-4819.	3.6	18
17	Asymptotic stability of bidirectional associative memory neural networks with time-varying delays via delta operator approach. Neurocomputing, 2013, 117, 40-46.	3.5	15
18	Fault detection observer design for periodic piecewise linear systems. International Journal of Systems Science, 2020, 51, 1622-1636.	3.7	13

#	ARTICLE	IF	CITATIONS
19	Observer-based output reachable set synthesis for periodic piecewise time-varying systems. Information Sciences, 2021, 571, 246-261.	4.0	13
20	Stability and $L_{\infty}$ -Gain Analysis of Periodic Piecewise Positive Systems With Constant Time Delay. IEEE Transactions on Automatic Control, 2022, 67, 2655-2662.	3.6	11
21	Fault estimation for periodic piecewise Tâ€š fuzzy systems. International Journal of Robust and Nonlinear Control, 2021, 31, 8055-8074.	2.1	10
22	Comparison of two polynomial approaches in performance analysis for periodic piecewise polynomial systems. Journal of the Franklin Institute, 2021, 358, 3868-3883.	1.9	9
23	A polynomial blossoming approach to stabilization of periodic time-varying systems. Automatica, 2022, 141, 110305.	3.0	6
24	Stabilization of uncertain discrete time-delayed systems via delta operator approach. , 2013, , .		5
25	Reachable Set Estimation for Periodic Piecewise Time-varying Systems. , 2019, , .		4
26	A novel nonlinear process monitoring approach: Locally weighted learning based total PLS. , 2016, , .		3
27	Development of an Openâ€š Access and Explainable Machine Learning Prediction System to Assess the Mortality and Recurrence Risk Factors of <i>Clostridioides Difficile</i> Infection Patients. Advanced Intelligent Systems, 2021, 3, 2000188.	3.3	3
28	Generalized Lead-Lag H <sub>2</sub> Compensators for MIMO Linear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6207-6217.	5.9	2
29	Equivalent conditions of finite-time time-varying output-feedback control for discrete-time positive time-varying linear systems. Cogent Engineering, 2020, 7, 1791547.	1.1	1
30	Stability and Stabilization of Almost Periodic Piecewise Linear Systems With Dwell Time Uncertainty. IEEE Transactions on Automatic Control, 2023, 68, 1130-1137.	3.6	1
31	Study on Comparison Experiment of the Bidirectional Reflectance Distribution Function (BRDF) of the Surface of Exterior Decorative Materials for Buildings Under Dry and Wet Condition. , 2010, , .		0
32	The Influence of Carbon Fiber Composite Material Structures on the Spectral Attenuation Properties of Thermal Radiation. , 2014, , .		0