

# Zhihao Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10859191/publications.pdf>

Version: 2024-02-01

13  
papers

191  
citations

1478505

6  
h-index

1372567

10  
g-index

13  
all docs

13  
docs citations

13  
times ranked

184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust detection of intermittent multiplicative sensor fault. Asian Journal of Control, 2021, 23, 463-473.	3.0	2
2	Operational safety via model predictive control: The Torrance refinery accident revisited. Chemical Engineering Research and Design, 2019, 149, 138-146.	5.6	4
3	Real-Time Optimization and Control of Nonlinear Processes Using Machine Learning. Mathematics, 2019, 7, 890.	2.2	52
4	Operational safety of an ammonia process network via model predictive control. Chemical Engineering Research and Design, 2019, 146, 277-289.	5.6	3
5	Operational safety of chemical processes via Safeness-Index based MPC: Two large-scale case studies. Computers and Chemical Engineering, 2019, 125, 204-215.	3.8	15
6	Integrating Safeness Index-Based Model Predictive Control and Safety Relief Valve Activation for Operational Safety of Chemical Processes. , 2019, , .		0
7	Economic model predictive control of stochastic nonlinear systems. AIChE Journal, 2018, 64, 3312-3322.	3.6	19
8	On integration of feedback control and safety systems: Analyzing two chemical process applications. Chemical Engineering Research and Design, 2018, 132, 616-626.	5.6	32
9	Detecting and Handling Cyber-Attacks in Model Predictive Control of Chemical Processes. Mathematics, 2018, 6, 173.	2.2	38
10	Control Lyapunov-Barrier Function-Based Model Predictive Control of Nonlinear Systems. , 2018, , .		7
11	Model Predictive Control for Process Operational Safety: Utilizing Safeness Index-Based Constraints and Control Lyapunov-Barrier Functions. Computer Aided Chemical Engineering, 2018, 44, 505-510.	0.5	2
12	Event-triggered filtering and intermittent fault detection for time-varying systems with stochastic parameter uncertainty and sensor saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 4666-4680.	3.7	16
13	Lyapunov-based Economic Model Predictive Control of Stochastic Nonlinear Systems. , 2018, , .		1