

# Yi Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,135  
citations

516681

16  
h-index

434170

31  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed state estimation for leak detection in water supply networks. IEEE/CAA Journal of Automatica Sinica, 2024, , 1-9.	13.1	10
2	Distributed Model Predictive Control for Reconfigurable Systems With Network Connection. IEEE Transactions on Automation Science and Engineering, 2022, 19, 907-918.	5.2	13
3	Economic Lyapunov-based model predictive control with event-triggered parametric identification. International Journal of Robust and Nonlinear Control, 2022, 32, 205-226.	3.7	9
4	Knowledge-based operation optimization of a distillation unit integrating feedstock property considerations. Engineering Applications of Artificial Intelligence, 2022, 107, 104496.	8.1	7
5	Distributed economic model predictive control with pseudo-steady state modifier adaptation for an industrial fluid catalytic cracking unit. Chemical Engineering Research and Design, 2022, 180, 379-390.	5.6	4
6	Passively Mode-Locked Ytterbium-Doped Fiber Laser Based on Fe <sub>3</sub> O <sub>4</sub> Nanosheets Saturable Absorber. Photonics, 2022, 9, 306.	2.0	4
7	Mechanism-embedded neural network modeling and operation optimization of a distillation unit with varying production performance. Chemical Engineering Research and Design, 2022, 183, 221-234.	5.6	1
8	Distributed economic model predictive control for an industrial fluid catalytic cracking unit ensuring safe operation. Control Engineering Practice, 2022, 126, 105263.	5.5	8
9	GP-based MPC with updating tube for safety control of unknown system. Digital Chemical Engineering, 2022, 4, 100041.	2.2	2
10	Model predictive control for nonlinear systems with time-varying dynamics and guaranteed Lyapunov stability. International Journal of Robust and Nonlinear Control, 2021, 31, 509-523.	3.7	18
11	Stable sodium metal anode enhanced by advanced electrolytes with SbF <sub>3</sub> additive. Rare Metals, 2021, 40, 433-439.	7.1	24
12	Economic model predictive control for the operation optimization of water distribution networks with risks. Asian Journal of Control, 2021, 23, 128-142.	3.0	3
13	Two fibrinogen-related proteins (FREPs) in the razor clam ( <i>Sinonovacula constricta</i> ) with a broad recognition spectrum and bacteria agglutination activity. Developmental and Comparative Immunology, 2021, 121, 104075.	2.3	0
14	Adaptive Lyapunov-based MPC With Constraint Updating For FCC Unit. , 2021, , .		0
15	Distribution network reconfiguration digital twin model based on bi-level dynamical time division. , 2021, , .		3
16	Feedback Linearization Based Distributed Model Predictive Control for Secondary Control of Islanded Microgrid. Asian Journal of Control, 2020, 22, 460-473.	3.0	21
17	Zone model predictive control for pressure management of water distribution network. Asian Journal of Control, 2020, 22, 1522-1536.	3.0	6
18	Enhancing dynamic operation optimization feasibility for constrained model predictive control systems. Asian Journal of Control, 2020, 22, 2340-2352.	3.0	3

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19	Enhanced information reconfiguration for distributed model predictive control for cyber-physical networked systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 198-221.	3.7	15
20	Q-Learning-Based Model Predictive Control for Nonlinear Continuous-Time Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 17987-17999.	3.7	17
21	Thermal Energy Correction Based Model Predictive Control for Fluid Catalytic Cracking Riser. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21476-21487.	3.7	7
22	Highly Efficient Capture of Marine Microbial Strains in Seawater Using Bare Fe <sub>3</sub> O <sub>4</sub> Magnetic Beads. <i>Current Microbiology</i> , 2020, 77, 1210-1216.	2.2	1
23	Assessment of mitochondrial function in metabolic dysfunction-associated fatty liver disease using obese mouse models. <i>Zoological Research</i> , 2020, 41, 539-551.	2.1	10
24	Model Predictive Control of Nonlinear System with Event-Triggered Parametric Identification. , 2020, , .		2
25	Enhancing Transient Event Trigger Real-Time Optimization for Fluid Catalytic Cracking Unit Operation with Varying Feedstock. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20340-20356.	3.7	9
26	Enhancing cooperative distributed model predictive control for the water distribution networks pressure optimization. <i>Journal of Process Control</i> , 2019, 84, 70-88.	3.3	7
27	Economic model predictive control for achieving offset-free operation performance of industrial constrained systems. <i>Journal of Process Control</i> , 2019, 80, 103-116.	3.3	13
28	Distributed zone MPC of pressure management for water distribution network systems. <i>IET Control Theory and Applications</i> , 2019, 13, 1704-1717.	2.1	4
29	A Dual Decomposition Based DMPC for Networked Systems with Varying Topology. , 2019, , .		2
30	Optimization of Ultrasonic-Microwave Assisted Extraction and Hepatoprotective Activities of Polysaccharides from <i>Trametes orientalis</i> . <i>Molecules</i> , 2019, 24, 147.	3.8	22
31	Coupling Degree Clustering-Based Distributed Model Predictive Control Network Design. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018, 15, 1749-1758.	5.2	44
32	Distributed Model Predictive Control for On-Connected Microgrid Power Management. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 1028-1039.	5.2	103
33	Big Data Compression and Storage for Continuous Spatio-Temporal Monitoring of Power Transmission Cables with Distributed Fiber-Optic Vibration Sensor (DFOVS). , 2018, , .		1
34	Modeling and Parameter Identification of FCCU Regenerator with Modified Levenberg-Marquardt Algorithm. , 2018, , .		0
35	Enhanced exergy cost optimization of operating conditions in FCCU main fractionator. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1750-1757.	3.5	3
36	Enhancing Strong Neighbor-Based Optimization for Distributed Model Predictive Control Systems. <i>Mathematics</i> , 2018, 6, 86.	2.2	9

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37	Moving Horizon Optimal Estimation for Temperature Distribution of FCCU Riser Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 12136-12148.	3.7	5
38	Diagnostic absolute configuration determination of clavulanate potassium: A comprehensive investigation of chiroptical spectroscopies and theoretical calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 351-359.	2.8	2
39	Ameliorative effect of <i>Trametes orientalis</i> polysaccharide against immunosuppression and oxidative stress in cyclophosphamide-treated mice. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 1216-1222.	7.5	50
40	Double-layered model predictive control strategy with dynamic trajectory calculation. , 2017, , .		4
41	Altered microRNA expression profiles in lung damage induced by nanosized SiO <sub>2</sub> . <i>Bioengineered</i> , 2017, 8, 45-54.	3.2	16
42	Coordinated Control Strategy for Microgrid in Grid-connected and Islanded Operation. <i>IFAC-PapersOnLine</i> , 2017, 50, 11281-11286.	0.9	5
43	Distributed model predictive control for efficient operation of islanded microgrid. , 2017, , .		11
44	Dissipativity based distributed model predictive control for process network reconfiguration. , 2017, , .		3
45	Investigating bacterial population structure and dynamics in traditional koumiss from Inner Mongolia using single molecule real-time sequencing. <i>Journal of Dairy Science</i> , 2016, 99, 7852-7863.	3.4	40
46	Assessing quality of <i>Medicago sativa</i> silage by monitoring bacterial composition with single molecule, real-time sequencing technology and various physiological parameters. <i>Scientific Reports</i> , 2016, 6, 28358.	3.3	75
47	A MicroRNA Expression Signature In Taxane-anthracycline-Based Neoadjuvant Chemotherapy Response. <i>Journal of Cancer</i> , 2015, 6, 671-677.	2.5	21
48	Evaluation of bacterial contamination in raw milk, ultra-high temperature milk and infant formula using single molecule, real-time sequencing technology. <i>Journal of Dairy Science</i> , 2015, 98, 8464-8472.	3.4	73
49	Impacted-Region Optimization for Distributed Model Predictive Control Systems With Constraints. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015, 12, 1447-1460.	5.2	36
50	Polymorphisms in poly (ADP-ribose) polymerase-1 (PARP1) promoter and 3' untranslated region and their association with PARP1 expression in breast cancer patients. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 7059-71.	0.5	10
51	Energy-saving-oriented control strategy for vapor compression refrigeration cycle systems. , 2014, , .		2
52	Analysis of trace elements (heavy metal based) in the surface soils of a desert "loess transitional zone in the south of the Tengger Desert. <i>Environmental Earth Sciences</i> , 2014, 72, 3015-3023.	2.7	14
53	Nanofocusing of longitudinally polarized light using absorbance modulation. <i>Applied Physics Letters</i> , 2014, 104, 061103.	3.3	13
54	Networked Coordination-Based Distributed Model Predictive Control for Large-Scale System. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 991-998.	5.2	95

#	ARTICLE	IF	CITATIONS
55	Optimization Target Resetting Distributed Model Predictive Control for accelerated cooling process. , 2012, , .		3
56	Horizon-Varying Model Predictive Control for Accelerated and Controlled Cooling Process. IEEE Transactions on Industrial Electronics, 2011, 58, 329-336.	7.9	25
57	Distributed model predictive control over network information exchange for large-scale systems. Control Engineering Practice, 2011, 19, 757-769.	5.5	104
58	Kalman filter estimation of the number of competing terminals in IEEE802.11 network based on the modified Markov model. , 2010, , .		1
59	Distributed model predictive control for plant-wide hot-rolled strip laminar cooling process. Journal of Process Control, 2009, 19, 1427-1437.	3.3	64
60	Steady-state target calculation for constrained predictive control systems based on goal programming. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 648-655.	1.5	17
61	Gene Expression Profiles of HeLa Cells Impacted by Hepatitis C Virus Non-structural Protein NS4B. BMB Reports, 2005, 38, 151-160.	2.4	11
62	A distributed model predictive control with neighborhood state feedback invariant set for reconfigurable networked systems. International Journal of Robust and Nonlinear Control, 0, , .	3.7	6