

David Banjerdpongchai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5610530/publications.pdf>

Version: 2024-02-01

58
papers

264
citations

1306789

7
h-index

1125271

13
g-index

58
all docs

58
docs citations

58
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	A convex optimization approach to robust iterative learning control for linear systems with time-varying parametric uncertainties. <i>Automatica</i> , 2011, 47, 2039-2043.	3.0	34
2	An LMI approach for robust iterative learning control with quadratic performance criterion. <i>Journal of Process Control</i> , 2009, 19, 1054-1060.	1.7	24
3	Short-Term Load Forecast for Energy Management Systems Using Time Series Analysis and Neural Network Method with Average True Range. , 2019, , .		22
4	Improved performance of detection and classification of 3-phase transmission line faults based on discrete wavelet transform and double-channel extreme learning machine. <i>Electrical Engineering</i> , 2021, 103, 953-963.	1.2	20
5	Design of Supervisory Model Predictive Control for Building HVAC System With Consideration of Peak-Load Shaving and Thermal Comfort. <i>IEEE Access</i> , 2021, 9, 41066-41081.	2.6	16
6	A convex optimization design of robust iterative learning control for linear systems with iteration-varying parametric uncertainties. <i>Asian Journal of Control</i> , 2011, 13, 75-84.	1.9	15
7	MATLAB based GUIs for linear controller design via convex optimization. <i>Computer Applications in Engineering Education</i> , 2003, 11, 13-24.	2.2	10
8	Design of state-feedback control for polynomial systems with quadratic performance criterion and control input constraints. <i>Systems and Control Letters</i> , 2018, 117, 53-59.	1.3	10
9	Robust Analysis of Discrete-Time Lur'e Systems with Slope Restrictions Using Convex Optimization. <i>Asian Journal of Control</i> , 2002, 4, 119-126.	1.9	8
10	Iterative LMI approach to robust static output feedback control of uncertain polynomial systems with bounded actuators. <i>Automatica</i> , 2021, 123, 109292.	3.0	7
11	Iterative Learning Control of Energy Management System: Survey on Multi-Agent System Framework. <i>Engineering Journal</i> , 2016, 20, 1-4.	0.5	7
12	Energy management system of hybrid power generation with battery energy storage and application to MHS smart grid project. , 2015, , .		6
13	Robust Iterative Learning Control for linear systems with time-varying parametric uncertainties. , 2009, , .		5
14	Dynamic Programming Approach to Optimal Maintenance Scheduling of Substation Equipment Considering Life Cycle Cost and Reliability. , 2018, , .		5
15	Iterative LMI Approach to Robust State-feedback Control of Polynomial Systems with Bounded Actuators. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 847-856.	1.6	5
16	Design of Model Predictive Control with Nonlinear Disturbance Observer for Electric Power Steering System. , 2019, , .		5
17	Linear controller design and performance limits of binary distillation column subject to disturbances with bounds on magnitudes and rates of change. <i>Journal of Process Control</i> , 2006, 16, 845-854.	1.7	4
18	On computing maximum allowable time delay of Lur'e systems with uncertain time-invariant delays. <i>International Journal of Control, Automation and Systems</i> , 2014, 12, 497-506.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Analysis of Advanced Process Control Technology and Economic Assessment Improvement. Engineering Journal, 2012, 16, 1-4.	0.5	4
20	ON COMPUTING THE WORST-CASE NORM OF CONVOLUTION SYSTEMS: A COMPARISON OF CONTINUOUS-TIME AND DISCRETE-TIME APPROACHES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 25-30.	0.4	3
21	Multi-objective approach to economic and environmental optimal operations of cogeneration for building energy management system. , 2013, , .		3
22	Multi-objective dispatch strategy of hybrid power generation in normal mode with application to MHS energy management system. , 2014, , .		3
23	Optimal dispatch of cogeneration with thermal energy storage for Building Energy Management System. , 2016, , .		3
24	Design of iterative learning control via alternating direction method of multipliers for building temperature control system. , 2017, , .		3
25	Short-Term Load Forecast for Energy Management System Using Neural Networks with Mutual Information Method of Input Selection. , 2019, , .		3
26	A Linear Programming Approach for the Worst-Case Norm of Uncertain Linear Systems Subject to Disturbances with Magnitude and Rate Bounds. , 2006, , .		2
27	A Branch-and-Bound Algorithm to Compute the Worst-Case Norm of Uncertain Linear Systems under Inputs with Magnitude and Rate Constraints. , 2006, , .		2
28	Robust Constrained Model Predictive Control for Uncertain Linear Time-Varying Systems Using Multiple Lyapunov Functions. , 2006, , .		2
29	Robust iterative learning control for linear systems with multiple time-invariant parametric uncertainties. International Journal of Control, 2010, 83, 2506-2518.	1.2	2
30	Real Options approach to estimate financial benefit of advanced process control. , 2012, , .		2
31	Design and implementation of wiener nonlinear model predictive control for pressure control loop. , 2014, , .		2
32	Comparison of PID control and linear model predictive control application to regenerative thermal oxidizer system. , 2015, , .		2
33	Design of reduced-order observer and linear quadratic regulator for inverted pendulum on cart. , 2017, , .		2
34	Model Predictive Control of Energy Management System for Economic Dispatch with Application to MHS Microgrid in Normal Operation. , 2019, , .		2
35	Design of robust hierarchical control for homogeneous linear multi-agent systems with parametric uncertainty and external disturbance. International Journal of Control, 2023, 96, 339-351.	1.2	2
36	Design of Supervisory Model Predictive Control for Building HVAC System with Time-Varying Coefficient of Performance. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	System identification for block-ice process: Comparison between linear and neural network models. , 2008, , .		1
38	Robust constrained model predictive control for linear time-varying systems with norm-bounded uncertainty. , 2008, , .		1
39	An LMI approach for robust Iterative Learning Control with Quadratic performance criterion. , 2008, , .		1
40	Design of innovative recommender system for Economic Assessment with application to Advanced Process Control. , 2011, , .		1
41	A branch-and-bound algorithm to compute the worst-case norm of uncertain linear systems under inputs with magnitude and rate constraints. International Journal of Control, Automation and Systems, 2012, 10, 449-458.	1.6	1
42	Design of nonlinear model predictive control with application to regenerative thermal oxidizer system. , 2015, , .		1
43	Iterative LMI approach to design robust state-feedback controllers for Lur TM e systems with time-invariant delays. International Journal of Control, Automation and Systems, 2015, 13, 1086-1096.	1.6	1
44	Design of state-feedback quadratic regulator for polynomial systems using sum-of-squares approach. , 2016, , .		1
45	Cloud Detection on Ground-Based Sky Images with Brightness Reduction of Circumsolar Region. , 2018, , .		1
46	Design of State Feedback Traffic Control Using Hierarchical Distributed Control Framework. , 2019, , .		1
47	Model Predictive Control of Microgrid Energy Management System with Optimal Power Flow Constraints Using Second Order Cone Programming. , 2021, , .		1
48	Economic Assessment of APC and RTO Using Option to Expand. Engineering Journal, 2016, 20, 115-134.	0.5	1
49	Iterative LMI Approach to Robust Hierarchical Control of Homogenous Linear Multi-Agent Systems Subject to Polytopic Uncertainty and External Disturbance. IEEE Access, 2021, 9, 151221-151234.	2.6	1
50	The closed-form solution for the worst-case norm of linear systems subject to inputs with magnitude bound and rate limit. , 2008, , .		0
51	A Hierarchical Branch-and-Bound algorithm to compute the worst-case norm of uncertain linear systems under inputs with magnitude and rate bounds. , 2008, , .		0
52	Robust Iterative Learning Control for flexible link under parametric uncertainty. , 2009, , .		0
53	Design of linear model predictive control for level control process with output feedback from wireless transmitter. , 2016, , .		0
54	Nonlinear Model Predictive Control of Inverted Pendulum Using Iterative Steepest Descent Algorithm. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Supervisory Robust Model Predictive Control for Linear Systems Subject to Parametric Uncertainty and Application to Level Control Process. , 2018, , .		0
56	Robust Output-Feedback Stabilization of a Nonlinear Bioreactor: A Matrix Inequality Approach. , 2019, , .		0
57	Application of Model Predictive Control to Traffic Network Systems Based on Hierarchical Distributed Control Framework. , 2019, , .		0
58	On Computing the Worst-case H^∞ Performance of Lur'e Systems with Uncertain Time-invariant Delays. Engineering Journal, 2015, 19, 101-120.	0.5	0