

Chongyang Liu

List of Publications by Year in descending order

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52
papers

886
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52
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Control of Nonlinear Fractional-Order Systems with Multiple Time-Varying Delays. Journal of Optimization Theory and Applications, 2022, 193, 856-876.	1.5	8
2	Optimal state-delay control in nonlinear dynamic systems. Automatica, 2022, 135, 109981.	5.0	19
3	On necessary optimality conditions and exact penalization for a constrained fractional optimal control problem. Optimal Control Applications and Methods, 2022, 43, 1096-1108.	2.1	6
4	Optimal control of nonlinear fractional systems with multiple pantograph delays. Applied Mathematics and Computation, 2022, 425, 127094.	2.2	9
5	Optimal control of a fractional smoking system. Journal of Industrial and Management Optimization, 2022, .	1.3	2
6	Robust parameter identification of a nonlinear impulsive time-delay system in microbial fed-batch process. Applied Mathematical Modelling, 2022, 111, 160-175.	4.2	5
7	Modelling and optimal state-delay control in microbial batch process. Applied Mathematical Modelling, 2021, 89, 792-801.	4.2	10
8	Robust parameter estimation for constrained time-delay systems with inexact measurements. Journal of Industrial and Management Optimization, 2021, 17, 317-337.	1.3	6
9	Optimal Control Computation for Nonlinear Fractional Time-Delay Systems with State Inequality Constraints. Journal of Optimization Theory and Applications, 2021, 191, 83-117.	1.5	21
10	Numerical solution of free final time fractional optimal control problems. Applied Mathematics and Computation, 2021, 405, 126270.	2.2	19
11	The uncoupled microbial fed-batch fermentation optimization based on state-dependent switched system. International Journal of Biomathematics, 2021, 14, 2150025.	2.9	6
12	A Control Parameterization Method to Solve the Fractional-Order Optimal Control Problem. Journal of Optimization Theory and Applications, 2020, 187, 234-247.	1.5	32
13	Multi-objective optimisation of nonlinear switched systems in uncoupled fed-batch fermentation. International Journal of Systems Science, 2020, 51, 1798-1813.	5.5	4
14	Time-delay optimal control of a fed-batch production involving multiple feeds. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 1697-1709.	1.1	3
15	Distributionally robust L_1 -estimation in multiple linear regression. Optimization Letters, 2019, 13, 935-947.	1.6	5
16	Robust optimization for a nonlinear switched time-delay system with noisy output measurements using hybrid optimization algorithm. Journal of the Franklin Institute, 2019, 356, 9730-9762.	3.4	7
17	Robust bi-objective optimal control of 1,3-propanediol microbial batch production process. Journal of Process Control, 2019, 78, 170-182.	3.3	35
18	Distributionally robust parameter identification of a time-delay dynamical system with stochastic measurements. Applied Mathematical Modelling, 2019, 69, 685-695.	4.2	19

#	ARTICLE	IF	CITATIONS
19	Global behaviors analysis for tryptophan operon system with bounded noise. Applied Mathematical Modelling, 2018, 58, 33-46.	4.2	0
20	Bi-objective dynamic optimization of a nonlinear time-delay system in microbial batch process. Optimization Letters, 2018, 12, 1249-1264.	1.6	18
21	Robust parameter estimation for nonlinear multistage time-delay systems with noisy measurement data. Applied Mathematical Modelling, 2018, 53, 353-368.	4.2	23
22	Dynamic Optimization for Switched Time-Delay Systems with State-Dependent Switching Conditions. SIAM Journal on Control and Optimization, 2018, 56, 3499-3523.	2.1	44
23	Robust time-delay estimation for nonlinear systems using inexact output. , 2018, , .		0
24	Optimal control of switched systems with multiple time-delays and a cost on changing control. Journal of Industrial and Management Optimization, 2018, 14, 183-198.	1.3	22
25	Robust multi-objective optimal switching control arising in 1,3-propanediol microbial fed-batch process. Nonlinear Analysis: Hybrid Systems, 2017, 25, 1-20.	3.5	63
26	Multi-objective optimization of nonlinear switched time-delay systems in fed-batch process. Applied Mathematical Modelling, 2016, 40, 10533-10548.	4.2	25
27	Optimal control of a batch fermentation process with nonlinear time-delay and free terminal time and cost sensitivity constraint. Journal of Process Control, 2016, 44, 41-52.	3.3	15
28	Robust optimization for nonlinear time-delay dynamical system of dha regulon with cost sensitivity constraint in batch culture. Communications in Nonlinear Science and Numerical Simulation, 2016, 38, 140-171.	3.3	6
29	On combining neighbouring extremals with control parameterization. , 2015, , .		0
30	Optimal parameter selection for nonlinear multistage systems with time-delays. Computational Optimization and Applications, 2014, 59, 285-306.	1.6	21
31	Modelling and optimal control of a time-delayed switched system in fed-batch process. Journal of the Franklin Institute, 2014, 351, 840-856.	3.4	18
32	Optimal Control of Switched Systems Arising in Fermentation Processes. Springer Optimization and Its Applications, 2014, , .	0.9	15
33	A computational method for solving time-delay optimal control problems with free terminal time. Systems and Control Letters, 2014, 72, 53-60.	2.3	35
34	Switching Time and Parameter Optimization in Nonlinear Switched Systems with Multiple Time-Delays. Journal of Optimization Theory and Applications, 2014, 163, 957-988.	1.5	24
35	Sensitivity analysis and parameter identification for a nonlinear time-delay system in microbial fed-batch process. Applied Mathematical Modelling, 2014, 38, 1449-1463.	4.2	23
36	Optimal Parameter Selection of Multistage Time-Delay Systems. Springer Optimization and Its Applications, 2014, , 123-142.	0.9	0

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37	Optimal Control of Switched Time-Delay Systems. Springer Optimization and Its Applications, 2014, , 159-175.	0.9	1
38	Modelling and optimal control for a fed-batch fermentation process. Applied Mathematical Modelling, 2013, 37, 695-706.	4.2	53
39	Modelling and parameter identification for a nonlinear time-delay system in microbial batch fermentation. Applied Mathematical Modelling, 2013, 37, 6899-6908.	4.2	48
40	Nonlinear dynamical systems of fed-batch fermentation and their optimal control. International Journal of Systems Science, 2012, 43, 809-819.	5.5	2
41	Parameter identification and optimization algorithm in microbial continuous culture. Applied Mathematical Modelling, 2012, 36, 585-595.	4.2	17
42	Optimal switching control of a fed-batch fermentation process. Journal of Global Optimization, 2012, 52, 265-280.	1.8	32
43	Modelling and optimization for a switched system in microbial fed-batch culture. Applied Mathematical Modelling, 2011, 35, 3276-3284.	4.2	33
44	Modeling and optimal control of a nonlinear dynamical system in microbial fed-batch fermentation. Mathematical and Computer Modelling, 2011, 53, 168-178.	2.0	11
45	Optimal control of switched autonomous systems in microbial fed-batch cultures. International Journal of Computer Mathematics, 2011, 88, 396-407.	1.8	11
46	Modeling in microbial batch culture and its parameter identification. , 2009, , .		2
47	Optimal control for nonlinear dynamical system of microbial fed-batch culture. Journal of Computational and Applied Mathematics, 2009, 232, 252-261.	2.0	26
48	Modelling and optimal control for nonlinear multistage dynamical system of microbial fed-batch culture. Journal of Industrial and Management Optimization, 2009, 5, 835-850.	1.3	56
49	Optimal switching control for microbial fed-batch culture. Nonlinear Analysis: Hybrid Systems, 2008, 2, 1168-1174.	3.5	21
50	Optimization for Multiobjective Optimal Control Problem and Its Application in 3D Horizontal Wells. , 2006, , .		2
51	On Solving the Convex Semi-Infinite Minimax Problems via Superlinear ?? Incremental Bundle Technique with Partial Inexact Oracle. Asia-Pacific Journal of Operational Research, 0, , 2140015.	1.3	0
52	Modelling and parameter identification for a two-stage fractional dynamical system in microbial batch process. Nonlinear Analysis: Modelling and Control, 0, 27, 1-18.	1.6	3