

# Panagiotis Petsagkourakis

## List of Publications by Year in descending order

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24  
papers

387  
citations

933447

10  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

277  
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven optimization for process systems engineering applications. <i>Chemical Engineering Science</i> , 2022, 248, 117135.	3.8	24
2	Integrating process design and control using reinforcement learning. <i>Chemical Engineering Research and Design</i> , 2022, 183, 160-169.	5.6	11
3	Safe chance constrained reinforcement learning for batch process control. <i>Computers and Chemical Engineering</i> , 2022, 157, 107630.	3.8	19
4	Chance constrained policy optimization for process control and optimization. <i>Journal of Process Control</i> , 2022, 111, 35-45.	3.3	14
5	Robust Stability of Barrier-Based Model Predictive Control. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 1879-1886.	5.7	9
6	Constrained Q-Learning for Batch Process Optimization. <i>IFAC-PapersOnLine</i> , 2021, 54, 492-497.	0.9	3
7	Acyclic modular flowsheet optimization using multiple trust regions and Gaussian process regression. <i>Computer Aided Chemical Engineering</i> , 2021, 50, 1117-1123.	0.5	0
8	Real-time optimization meets Bayesian optimization and derivative-free optimization: A tale of modifier adaptation. <i>Computers and Chemical Engineering</i> , 2021, 147, 107249.	3.8	21
9	Safe model-based design of experiments using Gaussian processes. <i>Computers and Chemical Engineering</i> , 2021, 151, 107339.	3.8	6
10	Constrained model-free reinforcement learning for process optimization. <i>Computers and Chemical Engineering</i> , 2021, 154, 107462.	3.8	19
11	A framework for adaptive online model-based redesign of experiments in dynamic systems. <i>Computer Aided Chemical Engineering</i> , 2021, 50, 1293-1298.	0.5	0
12	Kinetic and hybrid modeling for yeast astaxanthin production under uncertainty. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4854-4866.	3.3	23
13	Safe Real-Time Optimization using Multi-Fidelity Gaussian Processes. , 2021, , .		2
14	Stability analysis of piecewise affine systems with multi-model predictive control. <i>Automatica</i> , 2020, 111, 108539.	5.0	18
15	Reinforcement learning for batch bioprocess optimization. <i>Computers and Chemical Engineering</i> , 2020, 133, 106649.	3.8	111
16	Backoff-Based Model-Based Design of Experiments Under Model Mismatch. <i>Computer Aided Chemical Engineering</i> , 2020, 48, 1777-1782.	0.5	0
17	Constrained Reinforcement Learning for Dynamic Optimization under Uncertainty. <i>IFAC-PapersOnLine</i> , 2020, 53, 11264-11270.	0.9	8
18	Reinforcement Learning for Batch-to-Batch Bioprocess Optimisation. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 919-924.	0.5	9

#	ARTICLE	IF	CITATIONS
19	Hybrid physics-based and data-driven modeling for bioprocess online simulation and optimization. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2919-2930.	3.3	80
20	Robust stability analysis for barrier-based equation-free multi-linear model predictive control. <i>Chemical Engineering Research and Design</i> , 2019, 144, 237-246.	5.6	3
21	Data Driven Reduced Order Nonlinear Multiparametric MPC for Large Scale Systems. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 1249-1254.	0.5	4
22	Reduced Order Optimization of Large-Scale Nonlinear Systems with Nonlinear Inequality Constraints Using Steady State Simulators. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9952-9963.	3.7	2
23	Reduced Order Nonlinear Multi-parametric Model Predictive Control of Large Scale Systems. <i>Computer Aided Chemical Engineering</i> , 2018, 44, 721-726.	0.5	0
24	IQC analysis of constrained MPC of large-scale systems. <i>Computer Aided Chemical Engineering</i> , 2017, , 1627-1632.	0.5	1