

# Jesus Flores-Cerrillo

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

922  
citations

623734

14  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

538  
citing authors

#	ARTICLE	IF	CITATIONS
1	Latent variable MPC for trajectory tracking in batch processes. <i>Journal of Process Control</i> , 2005, 15, 651-663.	3.3	115
2	Control of batch product quality by trajectory manipulation using latent variable models. <i>Journal of Process Control</i> , 2004, 14, 539-553.	3.3	109
3	Data-based latent variable methods for process analysis, monitoring and control. <i>Computers and Chemical Engineering</i> , 2005, 29, 1217-1223.	3.8	103
4	Within-Batch and Batch-to-Batch Inferential-Adaptive Control of Semibatch Reactors: A Partial Least Squares Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 3334-3345.	3.7	100
5	Control of Particle Size Distributions in Emulsion Semibatch Polymerization Using Mid-Course Correction Policies. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 1805-1814.	3.7	99
6	Optimal demand response scheduling of an industrial air separation unit using data-driven dynamic models. <i>Computers and Chemical Engineering</i> , 2019, 126, 22-34.	3.8	75
7	Iterative Learning Control for Final Batch Product Quality Using Partial Least Squares Models. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 9146-9155.	3.7	64
8	Multivariate monitoring of batch processes using batch-to-batch information. <i>AIChE Journal</i> , 2004, 50, 1219-1228.	3.6	53
9	Dynamic modeling and collocation-based model reduction of cryogenic air separation units. <i>AIChE Journal</i> , 2016, 62, 1602-1615.	3.6	48
10	Optimal Dynamic Operation of a High-Purity Air Separation Plant under Varying Market Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 9956-9970.	3.7	41
11	Data-driven process monitoring and fault analysis of reformer units in hydrogen plants: Industrial application and perspectives. <i>Computers and Chemical Engineering</i> , 2020, 136, 106756.	3.8	25
12	Subspace-based model identification of a hydrogen plant startup dynamics. <i>Computers and Chemical Engineering</i> , 2017, 106, 183-190.	3.8	18
13	A non-Gaussian pattern matching based dynamic process monitoring approach and its application to cryogenic air separation process. <i>Computers and Chemical Engineering</i> , 2013, 58, 40-53.	3.8	16
14	Preemptive dynamic operation of cryogenic air separation units. <i>AIChE Journal</i> , 2017, 63, 3845-3859.	3.6	15
15	Latent Variable Model Predictive Control for Trajectory Tracking in Batch Processes: Internal Model Control Interpretation and Design Methodology. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 12437-12450.	3.7	14
16	A data-driven linear formulation of the optimal demand response scheduling problem for an industrial air separation unit. <i>Chemical Engineering Science</i> , 2022, 252, 117468.	3.8	12
17	Consistency-Enhanced Evolution for Variable Selection Can Identify Key Chemical Information from Spectroscopic Data. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 3446-3457.	3.7	7
18	Safe-Parking of a Hydrogen Production Unit. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 8147-8154.	3.7	6

#	ARTICLE	IF	CITATIONS
19	Identification and Online Updating of Dynamic Models for Demand Response of an Industrial Air Separation Unit. IFAC-PapersOnLine, 2021, 54, 140-145.	0.9	1
20	Improving Featured-based Soft Sensing through Feature Selection. IFAC-PapersOnLine, 2020, 53, 11338-11343.	0.9	1
21	Development of a high fidelity and subspace identification model of a hydrogen plant startup dynamics. , 2017, , .		0
22	Implementing smart manufacturing across an industrial organization. , 2020, , 27-57.		0