Fernando P Bernardo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1119661/publications.pdf

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23	358	933447 10	794594 19
papers	citations	h-index	g-index

23	23	23	212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integration and Computational Issues in Stochastic Design and Planning Optimization Problems. Industrial & Engineering Chemistry Research, 1999, 38, 3056-3068.	3.7	71
2	Quality costs and robustness criteria in chemical process design optimization. Computers and Chemical Engineering, 2001, 25, 27-40.	3.8	53
3	Robust optimization framework for process parameter and tolerance design. AICHE Journal, 1998, 44, 2007-2017.	3.6	43
4	A conceptual model for chemical product design. AICHE Journal, 2015, 61, 802-815.	3.6	33
5	Incorporation of heuristic knowledge in the optimal design of formulated products: Application to a cosmetic emulsion. Computers and Chemical Engineering, 2019, 122, 265-274.	3.8	31
6	Robustness criteria in process design optimization under uncertainty. Computers and Chemical Engineering, 1999, 23, S459-S462.	3.8	23
7	A Theoretical Model for Transdermal Drug Delivery from Emulsions and its Dependence upon Formulation. Journal of Pharmaceutical Sciences, 2008, 97, 3781-3809.	3.3	23
8	Integrated process and product design optimization: a cosmetic emulsion application. Computer Aided Chemical Engineering, 2005, , 1507-1512.	0.5	19
9	Inclusion of information costs in process design optimization under uncertainty. Computers and Chemical Engineering, 2000, 24, 1695-1701.	3.8	14
10	Performance of cubature formulae in probabilistic model analysis and optimization. Journal of Computational and Applied Mathematics, 2015, 280, 110-124.	2.0	11
11	An Integrated Methodology for Emulsified Cosmetic Product Formulation Using Integer Programming with Logical Constraints. Computer Aided Chemical Engineering, 2017, , 985-990.	0.5	6
12	Process design under uncertainty: Robustness criteria and value of information. Computer Aided Chemical Engineering, 2003, 16, 175-208.	0.5	5
13	Value of information analysis in product/process design. Computer Aided Chemical Engineering, 2004, 18, 151-156.	0.5	5
14	Integrated Process and Product Design Optimization. Computer Aided Chemical Engineering, 2016, 39, 347-372.	0.5	5
15	Integration of Consumer Preferences and Heuristic Knowledge in the Design of Formulated Products: Application to a Cosmetic Emulsion. Computer Aided Chemical Engineering, 2019, 46, 433-438.	0.5	5
16	Model analysis and optimization under uncertainty using thinned cubature formulae. Computers and Chemical Engineering, 2016, 92, 133-142.	3.8	4
17	Constrained Smoothing of Experimental Data in the Identification of Kinetic Models. Computer Aided Chemical Engineering, 2016, 38, 2121-2126.	0.5	3
18	Design of formulated products integrating heuristic knowledge and consumer assessment. AICHE Journal, 2021, 67, e17117.	3.6	2

#	Article	IF	Citations
19	Model-based optimal design of pharmaceutical formulations. Computer Aided Chemical Engineering, 2006, , 829-834.	0.5	1
20	Model analysis and optimization under uncertainty using highly efficient integration techniques. Computer Aided Chemical Engineering, 2016, 38, 2151-2156.	0.5	1
21	Discrete optimization in the chemical engineering curriculum. Computer Aided Chemical Engineering, 2017, 40, 2947-2952.	0.5	0
22	Systematic Generation of Chemical Reactions and Reaction Networks subject to Energetic Constraints. Computer Aided Chemical Engineering, 2017, 40, 133-138.	0.5	0
23	Clustering alternative product formulations using graphs. Computer Aided Chemical Engineering, 2019, 46, 511-516.	0.5	0