

Fernando P Bernardo

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

358
citations

933447

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794594

19
g-index

23
all docs

23
docs citations

23
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of formulated products integrating heuristic knowledge and consumer assessment. <i>AIChE Journal</i> , 2021, 67, e17117.	3.6	2
2	Integration of Consumer Preferences and Heuristic Knowledge in the Design of Formulated Products: Application to a Cosmetic Emulsion. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 433-438.	0.5	5
3	Incorporation of heuristic knowledge in the optimal design of formulated products: Application to a cosmetic emulsion. <i>Computers and Chemical Engineering</i> , 2019, 122, 265-274.	3.8	31
4	Clustering alternative product formulations using graphs. <i>Computer Aided Chemical Engineering</i> , 2019, 46, 511-516.	0.5	0
5	Discrete optimization in the chemical engineering curriculum. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 2947-2952.	0.5	0
6	An Integrated Methodology for Emulsified Cosmetic Product Formulation Using Integer Programming with Logical Constraints. <i>Computer Aided Chemical Engineering</i> , 2017, , 985-990.	0.5	6
7	Systematic Generation of Chemical Reactions and Reaction Networks subject to Energetic Constraints. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 133-138.	0.5	0
8	Constrained Smoothing of Experimental Data in the Identification of Kinetic Models. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 2121-2126.	0.5	3
9	Model analysis and optimization under uncertainty using highly efficient integration techniques. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 2151-2156.	0.5	1
10	Integrated Process and Product Design Optimization. <i>Computer Aided Chemical Engineering</i> , 2016, 39, 347-372.	0.5	5
11	Model analysis and optimization under uncertainty using thinned cubature formulae. <i>Computers and Chemical Engineering</i> , 2016, 92, 133-142.	3.8	4
12	Performance of cubature formulae in probabilistic model analysis and optimization. <i>Journal of Computational and Applied Mathematics</i> , 2015, 280, 110-124.	2.0	11
13	A conceptual model for chemical product design. <i>AIChE Journal</i> , 2015, 61, 802-815.	3.6	33
14	A Theoretical Model for Transdermal Drug Delivery from Emulsions and its Dependence upon Formulation. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3781-3809.	3.3	23
15	Model-based optimal design of pharmaceutical formulations. <i>Computer Aided Chemical Engineering</i> , 2006, , 829-834.	0.5	1
16	Integrated process and product design optimization: a cosmetic emulsion application. <i>Computer Aided Chemical Engineering</i> , 2005, , 1507-1512.	0.5	19
17	Value of information analysis in product/process design. <i>Computer Aided Chemical Engineering</i> , 2004, 18, 151-156.	0.5	5
18	Process design under uncertainty: Robustness criteria and value of information. <i>Computer Aided Chemical Engineering</i> , 2003, 16, 175-208.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Quality costs and robustness criteria in chemical process design optimization. Computers and Chemical Engineering, 2001, 25, 27-40.	3.8	53
20	Inclusion of information costs in process design optimization under uncertainty. Computers and Chemical Engineering, 2000, 24, 1695-1701.	3.8	14
21	Robustness criteria in process design optimization under uncertainty. Computers and Chemical Engineering, 1999, 23, S459-S462.	3.8	23
22	Integration and Computational Issues in Stochastic Design and Planning Optimization Problems. Industrial & Engineering Chemistry Research, 1999, 38, 3056-3068.	3.7	71
23	Robust optimization framework for process parameter and tolerance design. AIChE Journal, 1998, 44, 2007-2017.	3.6	43