Computers & Chemical Engineering

Contents

G. Guillén-Gosálbez and I. Grossmann

T. Pattinson and T. Majozi

A. Giridhar and R. Agrawal

A. Giridhar and R. Agrawal

A. Alizadehdakhel, M. Rahimi and A.A. Alsairafi	1	CFD and experimental studies on the effect of valve weight on per- formance of a valve tray column
D. Kumar, V. Kumar and V.P. Singh	9	Mathematical modeling of brown stock washing problems and their numerical solution using MATLAB
P.A. Rolandi and J.A. Romagnoli	17	Integrated model-centric framework for support of manufacturing operations. Part 1: The framework

	A hybrid genetic algorithm for twice continuously differentiabl NLP problems
9	

59

	42	A global optimization strategy for the environmentally conscious
		design of chemical supply chains under uncertainty in the damage
		assessment model

design of chemical supply chains under uncertainty in the damage
assessment model

Introducing a new operational policy: The PIS operational policy

Synthesis of distillation configurations. II: A search formulation for basic configurations

(Contents continued on page 1)

Available online at



www.sciencedirect.com

This journal is part of ScienceDirect's free alerting service that emails you tables of contents and favourite topics for Elsevier books and journals. You can register by clicking "Alerts" at www.sciencedirect.com

Computers Chem. Engn is indexed/abstracted in Cam. Sci. Abstr., Chem. Eng. & Biological Abstr., Chem Abstr. Serv., Curr. Cont. CompuMath, Curr. Cont. Eng. Tech & Appl. Sci., Comput. & Contr. Abstr., Comput. Cont., Eng. Ind., FLUIDEX INIST, INSPEC Data., Curr. Cont. Sci. Cit. Ind. Curr. Cont. SCISEARCH Data., Res. Alert. SSSA CISA ECA ISMEC. TCEA., SCOPUS



ISSN 0098-1354



(Continued from back cover)

A.M. Murshed, B. Huang and K. Nandakumar

J.D. Ward, C.-C. Yu and M.F. Doherty

R. Vázquez-Román, J.-H. Lee, S. Jung and M.S. Mannan

96 Estimation and control of solid oxide fuel cell system

112 Plantwide dynamics and control of processes with crystallization

122 Optimal facility layout under toxic release in process facilities: A stochastic approach