Samir Diab

List of Publications by Year
in descending order

27 papers	237 citations	9 h-index (1040056)
27 all docs	27 docs citations	27 times ranked

15 g-index (996975)
206 citing authors

#	Article	IF	Citations
1	Process modelling, simulation and technoeconomic evaluation of crystallisation antisolvents for the continuous pharmaceutical manufacturing of rufinamide. Computers and Chemical Engineering, 2018, 111, 102-114.	3.8	29
2	Process Design and Optimization for the Continuous Manufacturing of Nevirapine, an Active Pharmaceutical Ingredient for HIV Treatment. Organic Process Research and Development, 2019, 23, 320-333.	2.7	29
3	Process Modeling, Simulation, and Technoeconomic Evaluation of Separation Solvents for the Continuous Pharmaceutical Manufacturing (CPM) of Diphenhydramine. Organic Process Research and Development, 2017, 21, 924-946.	2.7	27
4	Dynamic modelling, simulation and economic evaluation of two CHO cell-based production modes towards developing biopharmaceutical manufacturing processes. Chemical Engineering Research and Design, 2019, 150, 218-233.	5.6	19
5	Technoeconomic Mixed Integer Nonlinear Programming (MINLP) optimization for design of Liquid–Liquid Extraction (LLE) cascades in continuous pharmaceutical manufacturing of atropine. AICHE Journal, 2019, 65, e16738.	3.6	13
6	Technoeconomic Evaluation of Multiple Mixed Suspension-Mixed Product Removal (MSMPR) Crystallizer Configurations for Continuous Cyclosporine Crystallization. Organic Process Research and Development, 2017, 21, 1571-1587.	2.7	12
7	Technoeconomic Optimization of Continuous Crystallization for Three Active Pharmaceutical Ingredients: Cyclosporine, Paracetamol, and Aliskiren. Industrial & Engineering Chemistry Research, 2018, 57, 9489-9499.	3.7	12
8	Multiobjective Dynamic Optimization of Ampicillin Batch Crystallization: Sensitivity Analysis of Attainable Performance vs Product Quality Constraints. Industrial & Engineering Chemistry Research, 2019, 58, 18756-18771.	3.7	11
9	Design Space Identification and Visualization for Continuous Pharmaceutical Manufacturing. Pharmaceutics, 2020, 12, 235.	4.5	11
10	Flow synthesis kinetics for lomustine, an anti-cancer active pharmaceutical ingredient. Reaction Chemistry and Engineering, 2021, 6, 1819-1828.	3.7	11
11	Nonlinear Optimization via Explicit NRTL Model Solubility Prediction for Antisolvent Mixture Selection in Artemisinin Crystallization. Organic Process Research and Development, 2018, 22, 40-53.	2.7	8
12	Dynamic Modelling and Optimisation of the Batch Enzymatic Synthesis of Amoxicillin. Processes, 2019, 7, 318.	2.8	8
13	Process modelling, design and technoeconomic Liquid–Liquid Extraction (LLE) optimisation for comparative evaluation of batch vs. continuous pharmaceutical manufacturing of atropine. Computers and Chemical Engineering, 2019, 124, 28-42.	3.8	8
14	No More Than Three: Technoeconomic Mixed Integer Nonlinear Programming Optimization of Mixed Suspension, Mixed Product Removal Crystallizer Cascades for Melitracen, an Antidepressant API. Industrial & Engineering Chemistry Research, 2020, 59, 21458-21475.	3.7	8
15	Streamlining the development of an industrial dry granulation process for an immediate release tablet with systems modelling. Chemical Engineering Research and Design, 2022, 178, 421-437.	5.6	8
16	Process modelling, simulation and technoeconomic optimisation for continuous pharmaceutical manufacturing of (S)-warfarin. Computer Aided Chemical Engineering, 2018, , 1643-1648.	0.5	5
17	Application of a System Model for Continuous Manufacturing of an Active Pharmaceutical Ingredient in an Industrial Environment. Journal of Pharmaceutical Innovation, 2022, 17, 1333-1346.	2.4	5
18	A multiparametric analysis of molecular complexities vs. economic data towards the continuous pharmaceutical manufacturing (CPM) of antibiotics. Computer Aided Chemical Engineering, 2018, 43, 1093-1098.	0.5	3

#	Article	IF	Citations
19	Dynamic Simulation and Visualisation of pH-Modulated Fed-batch Fermentation for mAb Production from CHO Cell Cultures. Computer Aided Chemical Engineering, 2020, 48, 1657-1662.	0.5	3
20	Impact of Process Parameters and Formulation Properties on Dissolution Performance of an Extended Release Tablet: a Multivariate Analysis. Journal of Pharmaceutical Innovation, 2022, 17, 892-910.	2.4	3
21	Plantwide technoeconomic analysis and separation solvent selection for continuous pharmaceutical manufacturing: Ibuprofen, artemisinin, and diphenhydramine. Computer Aided Chemical Engineering, 2018, 41, 85-120.	0.5	2
22	Dynamic Modelling and Simulation of Chinese Hamster Ovary (CHO) Cell Fermentation for Advanced Biopharmaceutical Manufacturing. Computer Aided Chemical Engineering, 2019, , 673-678.	0.5	1
23	Dynamic Optimization of a Fed-Batch Nosiheptide Reactor. Processes, 2020, 8, 587.	2.8	1
24	Technoeconomic MINLP Optimisation of Liquid-Liquid Extraction (LLE) Cascades for Continuous Pharmaceutical Manufacturing (CPM) of Atropine. Computer Aided Chemical Engineering, 2019, 46, 211-216.	0.5	0
25	Multi-objective Dynamic Optimisation of Ampicillin Batch Crystallisation. Computer Aided Chemical Engineering, 2020, , 433-438.	0.5	0
26	Design Space Investigation for Development of Continuous Flow Syntheses of Active Pharmaceutical Ingredients. Computer Aided Chemical Engineering, 2020, 48, 961-966.	0.5	0
27	CHAPTER 15. Economic Analysis of Continuous Crystallisation. , 2020, , 542-576.		0