

Sara Badr

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

318
citations

1039880

9
h-index

839398

18
g-index

23
all docs

23
docs citations

23
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic techno-economic approach to decide between continuous and batch operation modes for injectable manufacturing. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121353.	2.6	3
2	Economic Model for Lot-Size Determination in Pharmaceutical Injectable Manufacturing. <i>Journal of Pharmaceutical Innovation</i> , 2021, 16, 38-52.	1.1	2
3	Data-driven anomaly detection and diagnostics for changeover processes in biopharmaceutical drug product manufacturing. <i>Chemical Engineering Research and Design</i> , 2021, 167, 53-62.	2.7	8
4	Analysis of the Effects of Process Parameters on Start-Up Operation in Continuous Wet Granulation Processes, 2021, 9, 1502.	1.3	8
5	Determination of critical decision points for COVID-19 measures in Japan. <i>Scientific Reports</i> , 2021, 11, 16416.	1.6	2
6	Integrated design of biopharmaceutical manufacturing processes: Operation modes and process configurations for monoclonal antibody production. <i>Computers and Chemical Engineering</i> , 2021, 153, 107422.	2.0	23
7	Cost Benefit Analysis of Monoclonal Antibody Cultivation Scenarios in Terms of Life Cycle Environmental Impact and Operating Cost. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14012-14021.	3.2	16
8	Approach for Multicriteria Equipment Redesign in Sterile Manufacturing of Biopharmaceuticals. <i>Journal of Pharmaceutical Innovation</i> , 2020, 15, 15-25.	1.1	4
9	A graphical method for carbon dioxide emissions reduction in multi-product plants. <i>Chemical Engineering Research and Design</i> , 2020, 133, 51-63.	2.7	10
10	Multi-stage and multi-objective decision-support tool for biopharmaceutical drug product manufacturing: Equipment technology evaluation. <i>Chemical Engineering Research and Design</i> , 2020, 161, 240-252.	2.7	13
11	A PSE perspective for the efficient production of monoclonal antibodies: integration of process, cell, and product design aspects. <i>Current Opinion in Chemical Engineering</i> , 2020, 27, 121-128.	3.8	20
12	Online Decision-Support Tool –TECHOICE– for the Equipment Technology Choice in Sterile Filling Processes of Biopharmaceuticals. <i>Processes</i> , 2019, 7, 448.	1.3	3
13	Alternative generation and multiobjective evaluation using a design framework: Case study on sterile filling processes of biopharmaceuticals. <i>Computers and Chemical Engineering</i> , 2019, 123, 286-299.	2.0	6
14	Combined basic and fine chemical biorefinery concepts with integration of processes at different technology readiness levels. <i>Computer Aided Chemical Engineering</i> , 2018, 43, 1577-1582.	0.3	0
15	Sustainability assessment using local lazy learning: The case of post-combustion CO ₂ capture solvents. <i>Computer Aided Chemical Engineering</i> , 2018, , 823-828.	0.3	2
16	A framework for the environmental, health and safety hazard assessment for amine-based post combustion CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2017, 56, 202-220.	2.3	25
17	Sustainability assessment of succinic acid production technologies from biomass using metabolic engineering. <i>Energy and Environmental Science</i> , 2016, 9, 2794-2805.	15.6	93
18	Computer-aided molecular design and selection of CO ₂ capture solvents based on thermodynamics, reactivity and sustainability. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 313-334.	1.7	56

#	ARTICLE	IF	CITATIONS
19	Model-based Analysis of Waste Management Systems through a Natural Language Approach. Computer Aided Chemical Engineering, 2015, 37, 977-982.	0.3	1
20	Toward Sustainable Solvent-Based Postcombustion CO2 Capture. Computer Aided Chemical Engineering, 2015, , 279-310.	0.3	20
21	Effect of flow direction on the performance of radial flow catalytic reactors. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 307-316.	0.8	2