Nancy Medina-Herrera

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8071151/publications.pdf

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17	396	933447 10	1058476 14
papers	citations	h-index	g-index

17	17	17	354
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of an energy-efficient side-stream extractive distillation system. Computers and Chemical Engineering, 2017, 102, 17-25.	3.8	93
2	Development of inherently safer distillation systems. Journal of Loss Prevention in the Process Industries, 2014, 29, 225-239.	3.3	63
3	An Approach for Solvent Selection in Extractive Distillation Systems Including Safety Considerations. Industrial & Engineering Chemistry Research, 2014, 53, 12023-12031.	3.7	49
4	Dividing-wall columns: Design and control of a kaibel and a satellite distillation column for BTX separation. Chemical Engineering and Processing: Process Intensification, 2017, 114, 1-15.	3.6	41
5	A mathematical programming model for optimal layout considering quantitative risk analysis. Computers and Chemical Engineering, 2014, 68, 165-181.	3.8	37
6	Polyphenolic Profile and Antioxidant Activity of Leaf Purified Hydroalcoholic Extracts from Seven Mexican Persea americana Cultivars. Molecules, 2019, 24, 173.	3.8	34
7	Optimal design of a multi-product reactive distillation system for silanes production. Computers and Chemical Engineering, 2017, 105, 132-141.	3.8	25
8	Evaluation of the Use of Energy in the Production of Sweet Sorghum (Sorghum Bicolor (L.) Moench) under Different Production Systems. Energies, 2019, 12, 1713.	3.1	13
9	Temperature control of a Kaibel, Agrawal and Sargent dividing-wall distillation columns. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108248.	3.6	11
10	Optimal design and control of three simplified sargent four-product dividing-wall columns. Chemical Engineering and Processing: Process Intensification, 2022, 174, 108860.	3.6	11
11	A new index for chemical process design considering risk analysis and controllability. Computer Aided Chemical Engineering, 2019, , 373-378.	0.5	10
12	Dividing-Wall Column Design: Analysis of Methodologies Tailored to Process Simulators. Processes, 2021, 9, 1189.	2.8	4
13	An index to account for safety and controllability during the design of a chemical process. Journal of Loss Prevention in the Process Industries, 2021, 70, 104427.	3.3	3
14	Risk Analysis Applied to Bioethanol Dehydration Processes: Azeotropic Distillation versus Extractive Distillation. Computer Aided Chemical Engineering, 2015, , 1835-1840.	0.5	2
15	Multi-Product Reactive Distillation for Silanes Production. Computer Aided Chemical Engineering, 2016, 38, 745-750.	0.5	0
16	Dynamic transitions in a reactive distillation column for the production of silicon precursors. Computer Aided Chemical Engineering, 2019, 46, 1333-1338.	0.5	0
17	Solvent Selection using CAMD for the Solid-liquid Extraction of Bioactive Compounds from Agroindustrial Waste from Avocado (Persea Americana). Computer Aided Chemical Engineering, 2020, 48, 1621-1626.	0.5	0