Natalia Quirante

List of Publications by Year
in descending order

12	227	1040056 9	1281871 11
papers	citations	h-index	g-index

12	12	12	204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rigorous design of distillation columns using surrogate models based on <scp>K</scp>riging interpolation. AICHE Journal, 2015, 61, 2169-2187.	3.6	60
2	Large scale optimization of a sour water stripping plant using surrogate models. Computers and Chemical Engineering, 2016, 92, 143-162.	3.8	30
3	A novel disjunctive model for the simultaneous optimization and heat integration. Computers and Chemical Engineering, 2017, 96, 149-168.	3.8	27
4	Optimal synthesis of work and heat exchangers networks considering unclassified process streams at sub and above-ambient conditions. Applied Energy, 2018, 224, 567-581.	10.1	25
5	Hybrid simulation-equation based synthesis of chemical processes. Chemical Engineering Research and Design, 2018, 132, 766-784.	5.6	21
6	Disjunctive model for the simultaneous optimization and heat integration with unclassified streams and area estimation. Computers and Chemical Engineering, 2018, 108, 217-231.	3.8	19
7	Environmental and Economic Water Management in Shale Gas Extraction. Sustainability, 2020, 12, 1686.	3.2	17
8	Optimization of Chemical Processes Using Surrogate Models Based on a Kriging Interpolation. Computer Aided Chemical Engineering, 2015, , 179-184.	0.5	11
9	Economic and environmental strategic water management in the shale gas industry: Application of cooperative game theory. AICHE Journal, 2019, 65, e16725.	3.6	10
10	Optimization of a Sour Water Stripping Plant Using Surrogate Models. Computer Aided Chemical Engineering, 2016, 38, 31-36.	0.5	5
11	Systematic Methods for Inherently Safer Process Design: Comparison among Inherent Safety Indexes by Dimensionality Reduction. Computer Aided Chemical Engineering, 2017, , 1237-1242.	0.5	2
12	A New Disjunctive Formulation for the Simultaneous Optimization and Heat Integration with Cold/Hot and Unclassified Streams. Computer Aided Chemical Engineering, 2017, 40, 2167-2172.	0.5	0