Daniel Moreno

List of Publications by Year
in descending order

14	655	840776 11	1058476 14
papers	citations	h-index	g-index

15	15	15	572
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extractive Distillation with Ionic Liquids To Separate Benzene, Toluene, and Xylene from Pyrolysis Gasoline: Process Design and Techno-Economic Comparison with the Morphylane Process. Industrial & Engineering Chemistry Research, 2022, 61, 2511-2523.	3.7	17
2	Simulation and Optimization of the CWPO Process by Combination of Aspen Plus and 6-Factor Doehlert Matrix: Towards Autothermal Operation. Catalysts, 2020, 10, 548.	3.5	10
3	Dearomatization of pyrolysis gasoline by extractive distillation with 1-ethyl-3-methylimidazolium tricyanomethanide. Fuel Processing Technology, 2019, 195, 106156.	7.2	28
4	Stripping Columns to Regenerate Ionic Liquids and Selectively Recover Hydrocarbons Avoiding Vacuum Conditions. Industrial & Engineering Chemistry Research, 2019, 58, 20370-20380.	3.7	18
5	Molecular and Thermodynamic Properties of Zwitterions versus Ionic Liquids: A Comprehensive Computational Analysis to Develop Advanced Separation Processes. ChemPhysChem, 2018, 19, 794-794.	2.1	4
6	Absorption refrigeration cycles based on ionic liquids: Refrigerant/absorbent selection by thermodynamic and process analysis. Applied Energy, 2018, 213, 179-194.	10.1	88
7	Molecular and Thermodynamic Properties of Zwitterions versus Ionic Liquids: A Comprehensive Computational Analysis to Develop Advanced Separation Processes. ChemPhysChem, 2018, 19, 801-815.	2.1	10
8	Enterprise Ionic Liquids Database (ILUAM) for Use in Aspen ONE Programs Suite with COSMO-Based Property Methods. Industrial & Engineering Chemistry Research, 2018, 57, 980-989.	3.7	71
9	COSMO-based/Aspen Plus process simulation of the aromatic extraction from pyrolysis gasoline using the {[4empy][NTf 2] + [emim][DCA]} ionic liquid mixture. Separation and Purification Technology, 2018, 190, 211-227.	7.9	67
10	Encapsulated Ionic Liquids to Enable the Practical Application of Amino Acid-Based Ionic Liquids in CO₂ Capture. ACS Sustainable Chemistry and Engineering, 2018, 6, 14178-14187.	6.7	56
11	Deepening of the Role of Cation Substituents on the Extractive Ability of Pyridinium Ionic Liquids of N-Compounds from Fuels. ACS Sustainable Chemistry and Engineering, 2017, 5, 2015-2025.	6.7	22
12	Ionic liquids for post-combustion CO 2 capture by physical absorption: Thermodynamic, kinetic and process analysis. International Journal of Greenhouse Gas Control, 2017, 61, 61-70.	4.6	103
13	Aspen Plus supported conceptual design of the aromaticâ€“aliphatic separation from low aromatic content naphtha using 4-methyl-N-butylpyridinium tetrafluoroborate ionic liquid. Fuel Processing Technology, 2016, 146, 29-38.	7.2	67
14	Evaluation of ionic liquids as absorbents for ammonia absorption refrigeration cycles using COSMO-based process simulations. Applied Energy, 2014, 123, 281-291.	10.1	94