Frederico do Carmo

List of Publications by Year
in descending order

13	172	1162889 8	1125617 13
papers	citations	h-index	g-index

13	13	13	175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation of the Density of Ionic Liquids over a Wide Temperature and Pressure Range: A Detailed Comparison between the Group Contribution Models Available in the Literature. Industrial & Engineering Chemistry Research, 2022, 61, 5340-5350.	1.8	2
2	Addition of Non-endogenous Paraffins in Brazilian Crude Oils and Their Effects on Emulsion Stability and Interfacial Properties. Energy & Fuels, 2019, 33, 3673-3680.	2.5	7
3	Paraffin effects on the stability and precipitation of crude oil asphaltenes: Experimental onset determination and phase behavior approach. Fluid Phase Equilibria, 2018, 474, 116-125.	1.4	21
4	Estimation of Physical Constants of Biodiesel-Related Fatty Acid Alkyl Esters: Normal Boiling Point, Critical Temperature, Critical Pressure, and Acentric Factor. Industrial & Engineering Chemistry Research, 2018, 57, 8552-8565.	1.8	13
5	Estimation of Vapor Pressures and Enthalpies of Vaporization of Biodiesel-Related Fatty Acid Alkyl Esters. Part 1. Evaluation of Group Contribution and Corresponding States Methods. Industrial & Engineering Chemistry Research, 2017, 56, 2298-2309.	1.8	13
6	Estimation of Vapor Pressures and Enthalpies of Vaporization of Biodiesel-Related Fatty Acid Alkyl Esters. Part 2. New Parameters for Classic Vapor Pressure Correlations. Industrial & Engineering Chemistry Research, 2017, 56, 8349-8357.	1.8	4
7	Liquidâ€“Liquid Equilibrium for Cottonseed Biodiesel + Water + Alcohol (Methanol/Ethanol) Systems at (293.15 and 313.15) K: Experimental Data and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2015, 60, 707-713.	1.0	7
8	Evaluation of Optimal Methods for Critical Properties and Acentric Factor of Biodiesel Compounds with Their Application on Soaveâ€“Redlichâ€“Kwong and Pengâ€“Robinson Equations of State. Journal of Chemical & Engineering Data, 2015, 60, 3358-3381.	1.0	13
9	Evaluation of optimal activity coefficient models for modeling and simulation of liquidâ€“liquid equilibrium of biodiesel+glycerol+alcohol systems. Fuel, 2014, 125, 57-65.	3.4	27
10	Abâ€“diesel: Liquidâ€“liquid equilibrium and volumetric transport properties. Fuel, 2014, 119, 292-300.	3.4	7
11	Development of a New Group Contribution Method Based on GCVOL Model for the Estimation of Pure Ionic Liquid Density over a Wide Range of Temperature and Pressure. Industrial & Engineering Chemistry Research, 2014, 53, 9506-9512.	1.8	19
12	Viscosities and viscosity deviations of binary mixtures of biodiesel + petrodiesel (or n-hexadecane) at different temperatures. Brazilian Journal of Chemical Engineering, 2012, 29, 653-664.	0.7	15
13	Development of a new model for biodiesel viscosity prediction based on the principle of corresponding state. Fuel, 2012, 92, 250-257.	3.4	24