

Frederico do Carmo

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

172
citations

1162889

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1125617

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docs citations

13
times ranked

175
citing authors

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