

# Fernando Espiau

## List of Publications by Year in descending order

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16  
papers

387  
citations

686830

13  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isobaric Vapor-Liquid Equilibria and Excess Properties for the Binary Systems of Methyl Esters + Heptane. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 1183-1190.	1.0	51
2	A New Correlation Method for Vapor-Liquid Equilibria and Excess Enthalpies for Nonideal Solutions Using a Genetic Algorithm. Application to Ethanol + an n-Alkane Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 4978-4992.	1.8	37
3	Thermodynamic Behavior of the Binaries 1-Butylpyridinium Tetrafluoroborate with Water and Alkanols: Their Interpretation Using <sup>1</sup> H NMR Spectroscopy and Quantum-Chemistry Calculations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8763-8774.	1.2	33
4	Vapor-Liquid Equilibria at 101.32 kPa and Excess Properties of Binary Mixtures of Butyl Esters +tert-Butyl Alcohol. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 444-454.	1.0	31
5	New Parametric Model to Correlate the Gibbs Excess Function and Other Thermodynamic Properties of Multicomponent Systems. Application to Binary Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 406-421.	1.8	30
6	Thermodynamic properties of (an ester+an alkane). XVI. Experimental HmE and VmE values and a new correlation method for (an alkyl ethanoate+an n-alkane) at 318.15 K. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 193-209.	1.0	28
7	Excess Properties and Isobaric Vapor-Liquid Equilibria for Binary Mixtures of Methyl Esters +tert-Butanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2004, 49, 1602-1612.	1.0	27
8	Measurement and correlation of isobaric vapour-liquid equilibrium data and excess properties of ethyl methanoate with alkanes (hexane to decane). <i>Fluid Phase Equilibria</i> , 2004, 215, 175-186.	1.4	27
9	Liquid-Liquid Equilibria in Binary Solutions Formed by [Pyridinium-Derived][F <sub>4</sub> B] Ionic Liquids and Alkanols: New Experimental Data and Validation of a Multiparametric Model for Correlating LLE Data. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 12259-12270.	1.8	24
10	Isobaric Vapor-Liquid Equilibria and Excess Quantities for Binary Mixtures of an Ethyl Ester +tert-Butanol and a New Approach to VLE Data Processing. <i>Journal of Chemical &amp; Engineering Data</i> , 2003, 48, 916-924.	1.0	22
11	Advances in the Correlation of Thermodynamic Properties of Binary Systems Applied to Methanol Mixtures with Butyl Esters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 9548-9558.	1.8	21
12	Thermodynamic study of (alkyl esters+ $\hat{1}\pm$ , $\hat{1}\%$ -alkyl dihalides) I: and for 25 binary mixtures {x $\hat{C}u$ $\hat{1}H2u$ $\hat{1}CO2C2H5+(1\hat{a}^x)\hat{1}\pm$ , $\hat{1}\%$ -ClCH <sub>2</sub> (CH <sub>2</sub> ) $\hat{v}$ $\hat{2}CH2Cl$ }, where u=1 to 5, $\hat{1}\pm=1$ and $\hat{v}=1\%$ =2 to 6. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 1332-1346.	1.0	15
13	Correlation and Prediction of Excess Quantities and Vapor-Liquid Equilibria of Alkyl Esters +tert-Butyl Alcohol: $\hat{a}\%$ . Experimental Data for Propyl Esters +tert-Butyl Alcohol. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 730-742.	1.0	14
14	Experimentation and thermodynamic representations of binaries containing compounds of low boiling points: Pentane and alkyl methanoates. <i>Fluid Phase Equilibria</i> , 2014, 363, 167-179.	1.4	12
15	Modeling and Experimental Evaluation of Thermodynamic Properties for Binary Mixtures of Dialkylcarbonate and Alkanes Using a Parametric Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 7353-7366.	1.8	9
16	Thermodynamic properties of (an ester+an alkane). XVII. Experimental and values for (an alkyl) Tj ETQq0 0 0 r gBT /Qverlock 10 Tf 50 142	1.0	6