

Josefa Garcia

List of Publications by Year in descending order

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55
papers

1,442
citations

331259

21
h-index

344852

36
g-index

56
all docs

56
docs citations

56
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Stability of Ionic Liquids for Their Application as New Absorbents. Industrial & Engineering Chemistry Research, 2013, 52, 15718-15727.	1.8	114
2	Density and viscosity of three (2,2,2-trifluoroethanol + 1-butyl-3-methylimidazolium) ionic liquid binary systems. Journal of Chemical Thermodynamics, 2014, 70, 101-110.	1.0	102
3	General friction theory viscosity model for the PC-SAFT equation of state. AIChE Journal, 2006, 52, 1600-1610.	1.8	77
4	Density and Surface Tension Variation with Temperature for Heptane + 1-Alkanol. Journal of Chemical & Engineering Data, 2006, 51, 1778-1782.	1.0	71
5	Volumetric properties under pressure for the binary system ethanol+toluene. Fluid Phase Equilibria, 2005, 235, 139-151.	1.4	61
6	Performance analysis of absorption heat transformer cycles using ionic liquids based on imidazolium cation as absorbents with 2,2,2-trifluoroethanol as refrigerant. Energy Conversion and Management, 2014, 84, 512-523.	4.4	60
7	Title is missing!. International Journal of Thermophysics, 2000, 21, 831-851.	1.0	55
8	Phase Equilibria, PVT Behavior, and Critical Phenomena in Carbon Dioxide + n-Alkane Mixtures Using the Perturbed-Chain Statistical Associating Fluid Theory Approach. Industrial & Engineering Chemistry Research, 2004, 43, 8345-8353.	1.8	51
9	Vapor pressure measurements in the range 10 ⁻⁵ Pa to 1 Pa of four pentaerythritol esters. Fluid Phase Equilibria, 2007, 260, 248-261.	1.4	48
10	PVT Measurements and Equation of State (EoS) Predictions of Ester Lubricants up to 45 MPa. Industrial & Engineering Chemistry Research, 2006, 45, 1172-1182.	1.8	44
11	Calorimetric and Volumetric Study on Binary Mixtures 2,2,2-Trifluoroethanol + (1-Butyl-3-methylimidazolium Tetrafluoroborate or 1-Ethyl-3-methylimidazolium Tetrafluoroborate). Journal of Chemical & Engineering Data, 2010, 55, 5504-5512.	1.0	43
12	Phase and viscosity behaviour of refrigerant-lubricant mixtures. International Journal of Refrigeration, 2005, 28, 714-724.	1.8	41
13	Temperature dependence of the excess molar volume of (dimethyl carbonate, or diethyl carbonate+) Tj ETQq1 1 0.784314 rgBT /Overlock 40	1.0	
14	Experimental excess volumes of organic carbonate+alkane systems. Estimation of the parameters of the Nitta-Chao model for this kind of binary mixture. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1707-1712.	1.7	39
15	Density and surface tension variation with temperature for n-nonane+1-hexanol. Fluid Phase Equilibria, 2006, 245, 32-36.	1.4	34
16	Experimental densities and dynamic viscosities of organic carbonate + n-alkane or p-xylene systems at 298.15 K. Fluid Phase Equilibria, 2003, 204, 233-243.	1.4	30
17	High-Pressure Densities of 2,2,2-Trifluoroethanol + Ionic Liquid Mixtures Useful for Possible Applications in Absorption Cycles. Industrial & Engineering Chemistry Research, 2014, 53, 10791-10802.	1.8	29
18	Experimental and predicted excess enthalpies of the working pairs (methanol or trifluoroethanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	28

#	ARTICLE	IF	CITATIONS
19	Liquid Density Measurements of Diethylene Glycol Monoalkyl Ethers as a Function of Temperature and Pressure. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 376-379.	1.0	27
20	Density, speed of sound and refractive index of (n-hexane + cyclohexane + 1-hexanol) at T= 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2001, 33, 1081-1096.	1.0	26
21	Behavior of the Environmentally Compatible Absorbent 1-Butyl-3-methylimidazolium Tetrafluoroborate with 2,2,2-Trifluoroethanol: Experimental Densities at High Pressures and Modeling of ρ -T and Phase Equilibria Behavior with PC-SAFT EoS. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 4065-4076.	1.8	24
22	Experimental and predicted excess enthalpies of the 2,2,2-trifluoroethanol-water-tetraethylene glycol dimethyl ether ternary system using binary mixing data. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 2071-2079.	1.7	23
23	Solubility of carbon dioxide in pentaerythritol ester oils. New data and modeling using the PC-SAFT model. <i>Journal of Supercritical Fluids</i> , 2010, 55, 62-70.	1.6	22
24	Prediction of enthalpies of mixing and vapor-liquid equilibria for mixtures containing organic carbonates + n-alkanes using several versions of the unifac model. <i>Thermochimica Acta</i> , 1996, 286, 321-332.	1.2	21
25	Estimation of parameters of Nitta-Chao model for ester+1-alkanol mixtures. <i>Fluid Phase Equilibria</i> , 1998, 148, 49-68.	1.4	21
26	ρ -T Measurements and EoS Predictions of Glycol Ethers from (283.15 to 353.15) K at Pressures up to 25 MPa. <i>Journal of Chemical & Engineering Data</i> , 2004, 49, 1400-1405.	1.0	20
27	Thermodynamic Properties on Mixing for Hexane + Cyclohexane + 1-Octanol at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 1154-1159.	1.0	19
28	Experimental and PC-SAFT volumetric and phase behavior of carbon dioxide+PAG or POE lubricant systems. <i>Journal of Supercritical Fluids</i> , 2008, 47, 8-16.	1.6	19
29	Structural effects on dynamic and energetic properties of mixtures of ionic liquids and water. <i>Journal of Molecular Liquids</i> , 2017, 242, 204-212.	2.3	19
30	Excess Properties of Some Methanol + Amide Systems Proposed as Working Fluids for Absorption Machines. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 309-313.	1.0	18
31	Analysis of the intramolecular proximity effect on dichloroalkane + alkane mixtures using Nitta-Chao model. <i>Fluid Phase Equilibria</i> , 1995, 110, 31-51.	1.4	17
32	Experimental and Predicted Solubilities of HFC134a (1,1,1,2-Tetrafluoroethane) in Polyethers. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1523-1529.	1.8	17
33	Density and viscosity study of pyridinium based ionic liquids as potential absorbents for natural refrigerants: Experimental and modelling. <i>Fluid Phase Equilibria</i> , 2015, 405, 37-45.	1.4	16
34	Phase and volumetric behavior of binary systems containing carbon dioxide and lubricants for transcritical refrigeration cycles. <i>Journal of Supercritical Fluids</i> , 2008, 45, 261-271.	1.6	15
35	ρ -T Measurements of the (Ethanol + Linalool), (Propan-1-ol + Linalool), and (Propan-2-ol +) Tj ETQq1 1 0.784314 rgBT /Cve	1.0	15
36	Studies of Volumetric and Transport Properties of Ionic Liquid-Water Mixtures and Its Viability To Be Used in Absorption Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5068-5077.	3.2	15

#	ARTICLE	IF	CITATIONS
37	Phase equilibria and pVT predictions for alkyl carbonate + n-alkane systems using equations of state. Fluid Phase Equilibria, 2003, 212, 111-128.	1.4	14
38	Estimation of parameters of Nitta-Chao model for linear monoether + 1-alkanol mixtures. Fluid Phase Equilibria, 1997, 133, 57-72.	1.4	13
39	Intramolecular-proximity effect on the excess enthalpies of (a dichloroalkane + an alkan-2-one). Journal of Chemical Thermodynamics, 1994, 26, 53-59.	1.0	12
40	Cosolvent effect on physical properties of 1,3-dimethyl imidazolium dimethyl phosphate and some theoretical insights on cellulose dissolution. Journal of Molecular Liquids, 2018, 265, 114-120.	2.3	12
41	Excess molar enthalpies of some examples of (a dichloroalkane+a ket-2-one) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1993, 25, 1127-1132.	1.0	11
42	Molecular understanding of pyridinium ionic liquids as absorbents with water as refrigerant for use in heat pumps. AIChE Journal, 2017, 63, 3523-3531.	1.8	10
43	Experimental densities of 2,2,2-trifluoroethanol with 1-butyl-3-methylimidazolium hexafluorophosphate at high pressures and modelling with PC-SAFT. Journal of Chemical Thermodynamics, 2017, 113, 29-40.	1.0	9
44	Pressure and temperature dependence of the excess thermodynamic properties of binary dimethyl carbonate + n-octane mixtures. Canadian Journal of Chemistry, 2003, 81, 840-849.	0.6	6
45	Characteristic parameters of the Tassios, Larsen and Gmehling versions of the UNIFAC model for enthalpies of mixing in organic anhydrides + N-alkanes mixtures. Thermochemica Acta, 1998, 317, 59-64.	1.2	5
46	Modelling of PVT for some poly alkylene glycol lubricants using Sako's Prausnitz EOS. Fluid Phase Equilibria, 2002, 199, 23-31.	1.4	5
47	Analysis of the molecular interactions of organic anhydride+alkane binary mixtures using the Nitta-Chao model. Fluid Phase Equilibria, 2000, 170, 69-85.	1.4	4
48	Analysis of the interaction between cycloalkanes and 1-alkanols by means of Nitta Chao group contribution model. Fluid Phase Equilibria, 2001, 179, 319-337.	1.4	4
49	Prediction of the pressure dependence on the thermodynamic properties of dialkyl carbonate + alkane mixtures using Nitta-Chao model. Fluid Phase Equilibria, 2004, 217, 165-173.	1.4	4
50	Modelling thermodynamic properties of iodoalkane + alkane systems using group contribution models. Physical Chemistry Chemical Physics, 2001, 3, 5006.	1.3	2
51	Sako's Prausnitz equation of state for modelling phase equilibria and high-pressures PVT of mixtures containing dialkyl carbonate and alkane. Fluid Phase Equilibria, 2003, 210, 77-89.	1.4	2
52	UNIFAC calculation of thermodynamic properties of binary 1-chloroalkane + alkane and 1,1-dichloroalkane + alkane mixtures: Comparison with Nitta-Chao and DISQUAC predictions. Canadian Journal of Chemistry, 2003, 81, 392-405.	0.6	2
53	Estimation of the Nitta-Chao parameters for water. High Temperatures - High Pressures, 1998, 30, 503-507.	0.3	1
54	A group contribution (UNIFAC) study for the binary mixtures containing a fluoroalkane and an alkane. High Temperatures - High Pressures, 1997, 29, 33-37.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Reply to the letter to the editor by J. Gmehling and J. Lohmann about the paper "Analysis of the molecular interactions of organic anhydride + alkane binary mixtures using the Nitta-Chao model" [Fluid Phase Equilib. 170 (2000) 69-85]. Fluid Phase Equilibria, 2001, 189, 197-201.	1.4	0