Josefa Garcia

List of Publications by Year
in descending order

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	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
2	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
3	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
4	Structural effects on dynamic and energetic properties of mixtures of ionic liquids and water. Journal of Molecular Liquids, 2017, 242, 204-212.	2.3	19
5	Studies of Volumetric and Transport Properties of Ionic Liquidâ€“Water Mixtures and Its Viability To Be Used in Absorption Systems. ACS Sustainable Chemistry and Engineering, 2016, 4, 5068-5077.	3.2	15
6	Density and viscosity study of pyridinium based ionic liquids as potential absorbents for natural refrigerants: Experimental and modelling. Fluid Phase Equilibria, 2015, 405, 37-45.	1.4	16
7	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
8	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
9	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
10	Thermal Stability of Ionic Liquids for Their Application as New Absorbents. Industrial & Engineering Chemistry Research, 2013, 52, 15718-15727.	1.8	114
11	Behavior of the Environmentally Compatible Absorbent 1-Butyl-3-methylimidazolium Tetrafluoroborate with 2,2,2-Trifluoroethanol: Experimental Densities at High Pressures and Modeling of PVT and Phase Equilibria Behavior with PC-SAFT EoS. Industrial & Engineering Chemistry Research, 2011, 50, 4065-4076.	1.8	24
12	Solubility of carbon dioxide in pentaerythritol ester oils. New data and modeling using the PC-SAFT model. Journal of Supercritical Fluids, 2010, 55, 62-70.	1.6	22
13	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
14	PÏT Measurements of the (Ethanol + Linalool), (Propan-1-ol + Linalool), and (Propan-2-ol +) Tj ETQq0 0 0 rgBT /Overlock 10 Journal of Chemical & Engineering Data, 2010, 55, 5332-5339.	1.0	15
15	Phase and volumetric behavior of binary systems containing carbon dioxide and lubricants for transcritical refrigeration cycles. Journal of Supercritical Fluids, 2008, 45, 261-271.	1.6	15
16	Experimental and PC-SAFT volumetric and phase behavior of carbon dioxide+PAG or POE lubricant systems. Journal of Supercritical Fluids, 2008, 47, 8-16.	1.6	19
17	Vapor pressure measurements in the range 10â^'5Pa to 1Pa of four pentaerythritol esters. Fluid Phase Equilibria, 2007, 260, 248-261.	1.4	48
18	PÏ‡ 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

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19	Density and Surface Tension Variation with Temperature for Heptane + 1-Alkanol. Journal of Chemical & Engineering Data, 2006, 51, 1778-1782.	1.0	71
20	Density and surface tension variation with temperature for n-nonane+1-hexanol. Fluid Phase Equilibria, 2006, 245, 32-36.	1.4	34
21	General friction theory viscosity model for the PC-SAFT equation of state. AICHE Journal, 2006, 52, 1600-1610.	1.8	77
22	Phase and viscosity behaviour of refrigerantâ€“lubricant mixtures. International Journal of Refrigeration, 2005, 28, 714-724.	1.8	41
23	Volumetric properties under pressure for the binary system ethanol+toluene. Fluid Phase Equilibria, 2005, 235, 139-151.	1.4	61
24	Prediction of the pressure dependence on the thermodynamic properties of dialkyl carbonate + alkane mixtures using Nittaâ€“Chao model. Fluid Phase Equilibria, 2004, 217, 165-173.	1.4	4
25	Experimental and Predicted Solubilities of HFC134a (1,1,1,2-Tetrafluoroethane) in Polyethers. Industrial & Engineering Chemistry Research, 2004, 43, 1523-1529.	1.8	17
26	Phase Equilibria,PVTBehavior, 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
27	pï‡Measurements and EoS Predictions of Glycol Ethers from (283.15 to 353.15) K at Pressures up to 25 MPa. Journal of Chemical & Engineering Data, 2004, 49, 1400-1405.	1.0	20
28	Liquid Density Measurements of Diethylene Glycol Monoalkyl Ethers as a Function of Temperature and Pressure. Journal of Chemical & Engineering Data, 2004, 49, 376-379.	1.0	27
29	Sakoâ€“Wuâ€“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
30	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
31	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
32	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
33	UNIFAC calculation of thermodynamic properties of binary 1-chloroalkane + alkane and Î±,Ï‰-dichloroalkane + alkane mixtures: Comparison with NittaÂ–Chao and DISQUAC predictions. Canadian Journal of Chemistry, 2003, 81, 392-405.	0.6	2
34	Modelling of PVT for some poly alkylene glycol lubricants using Sakoâ€“Wuâ€“Prausnitz EOS. Fluid Phase Equilibria, 2002, 199, 23-31.	1.4	5
35	Modelling thermodynamic properties of iodoalkane + alkane systems using group contribution models. Physical Chemistry Chemical Physics, 2001, 3, 5006.	1.3	2
36	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

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37	Reply to the letter to the editor by J. Gmehling and J. Lohmann about the paper â€œAnalysis of the molecular interactions of organic anhydride + alkane binary mixtures using the Nittaâ€“Chao modelâ€• [Fluid Phase Equilib. 170 (2000) 69â€“85]. Fluid Phase Equilibria, 2001, 189, 197-201.	1.4	0
38	Density, speed of sound and refractive index of (n-hexane + cyclohexane + 1-hexanol) atT= 298.15 K. Journal of Chemical Thermodynamics, 2001, 33, 1081-1096.	1.0	26
39	Temperature dependence of the excess molar volume of (dimethyl carbonate, or diethyl carbonate+) Tj ETQq1 1 0.784314 rgBT /Over	1.0	40
40	Analysis of the molecular interactions of organic anhydride+alkane binary mixtures using the Nittaâ€“Chao model. Fluid Phase Equilibria, 2000, 170, 69-85.	1.4	4
41	Title is missing!. International Journal of Thermophysics, 2000, 21, 831-851.	1.0	55
42	Thermodynamic Properties on Mixing for Hexane + Cyclohexane + 1-Octanol at 298.15 K. Journal of Chemical & Engineering Data, 2000, 45, 1154-1159.	1.0	19
43	Excess Properties of Some Methanol + Amide Systems Proposed as Working Fluids for Absorption Machines. Journal of Chemical & Engineering Data, 1999, 44, 309-313.	1.0	18
44	Characteristic parameters of the Tassios, Larsen and Gmehling versions of the UNIFAC model for enthalpies of mixing in organic anhydrides + N-alkanes mixtures. Thermochimica Acta, 1998, 317, 59-64.	1.2	5
45	Estimation of parameters of Nittaâ€“Chao model for ester+1-alkanol mixtures. Fluid Phase Equilibria, 1998, 148, 49-68.	1.4	21
46	Experimental excess volumes of organic carbonate+alkane systems. Estimation of the parameters of the Nittaâ€“Chao model for this kind of binary mixture. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1707-1712.	1.7	39
47	Estimation of the NittaÂ-ÂChao parameters for water. High Temperatures - High Pressures, 1998, 30, 503-507.	0.3	1
48	Estimation of parameters of Nitta-Chao model for linear monoether + 1-alkanol mixtures. Fluid Phase Equilibria, 1997, 133, 57-72.	1.4	13
49	Experimental and predicted excess enthalpies of the working pairs (methanol or trifluoroethanol +) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	28
50	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
51	Prediction of enthalpies of mixing and vapor-liquid equilibria for mixtures containing organic carbonates + n-alkanes using several versions of the unifac model. Thermochimica Acta, 1996, 286, 321-332.	1.2	21
52	Analysis of the intramolecular proximity effect on dichloroalkane + alkane mixtures using Nitta-Chao model. Fluid Phase Equilibria, 1995, 110, 31-51.	1.4	17
53	Experimental and predicted excess enthalpies of the 2,2,2-trifluoroethanolâ€“waterâ€“tetraethylene glycol dimethyl ether ternary system using binary mixing data. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2071-2079.	1.7	23
54	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

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55	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