

Josefa Fernandez

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229
papers

6,384
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41
h-index

65
g-index

243
ext. papers

6,812
ext. citations

3.2
avg, IF

5.84
L-index

#	Paper	IF	Citations
229	Thermodynamic Properties of Imidazolium-Based Ionic Liquids: Densities, Heat Capacities, and Enthalpies of Fusion of [bmim][PF ₆] and [bmim][NTf ₂]. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1856-1859	2.8	240
228	Effect of Water on the Viscosities and Densities of 1-Butyl-3-methylimidazolium Dicyanamide and 1-Butyl-3-methylimidazolium Tricyanomethane at Atmospheric Pressure \square <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 645-652	2.8	200
227	Excess enthalpy, density, and heat capacity for binary systems of alkylimidazolium-based ionic liquids + water. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 161-166	2.9	162
226	Excess properties for binary systems ionic liquid+ethanol: Experimental results and theoretical description using the ERAS model. <i>Fluid Phase Equilibria</i> , 2008 , 274, 59-67	2.5	145
225	Influence of Molecular Structure on Densities and Viscosities of Several Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4984-4999	2.8	137
224	High-Pressure Measurements of the Viscosity and Density of Two Polyethers and Two Dialkyl Carbonates. <i>International Journal of Thermophysics</i> , 2001 , 22, 749-768	2.1	125
223	Density and refractive index in mixtures of ionic liquids and organic solvents: Correlations and predictions. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 949-956	2.9	120
222	Automated densimetric system: Measurements and uncertainties for compressed fluids. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 632-638	2.9	109
221	Excess molar properties for binary systems of alkylimidazolium-based ionic liquids + nitromethane. Experimental results and ERAS-model calculations. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 334-347	2.9	105
220	Ionic liquids based on phosphonium cations as neat lubricants or lubricant additives for a steel/steel contact. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13115-28	9.5	102
219	Viscosities for Ionic Liquid Binary Mixtures with a Common Ion. <i>Journal of Solution Chemistry</i> , 2008 , 37, 677-688	1.8	98
218	Compressed Liquid Densities of Squalane and Pentaerythritol Tetra(2-ethylhexanoate) \square <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 939-946	2.8	96
217	The Pressure-Viscosity Coefficient of Several Ionic Liquids. <i>Tribology Letters</i> , 2008 , 31, 107-118	2.8	89
216	(ρ , V_m , T , x) measurements of dimethyl carbonate+octane binary mixtures. <i>Fluid Phase Equilibria</i> , 2001 , 186, 235-255	2.5	89
215	Density scaling of the transport properties of molecular and ionic liquids. <i>Journal of Chemical Physics</i> , 2011 , 134, 144507	3.9	85
214	Density and viscosity of three (2,2,2-trifluoroethanol+1-butyl-3-methylimidazolium) ionic liquid binary systems. <i>Journal of Chemical Thermodynamics</i> , 2014 , 70, 101-110	2.9	80
213	Relationship between viscosity coefficients and volumetric properties using a scaling concept for molecular and ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 5563-74	3.4	79

212	Scaling of the viscosity of the Lennard-Jones chain fluid model, argon, and some normal alkanes. <i>Journal of Chemical Physics</i> , 2011 , 134, 064505	3.9	76
211	Long-term thermal stability of five imidazolium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013 , 65, 184-190	2.9	66
210	General friction theory viscosity model for the PC-SAFT equation of state. <i>AIChE Journal</i> , 2006 , 52, 1600-1610	3.1	63
209	Interactions and structure of ionic liquids on graphene and carbon nanotubes surfaces. <i>RSC Advances</i> , 2014 , 4, 18017-18024	3.7	61
208	Density and Heat Capacity as a Function of Temperature for Binary Mixtures of 1-Butyl-3-methylpyridinium Tetrafluoroborate + Water, + Ethanol, and + Nitromethane. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2261-2265	2.8	60
207	Excess molar volumes of (ethyl formate or ethyl acetate + 1-chloroalkane) at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1987 , 32, 464-466	2.8	59
206	Friction and anti-wear properties of two tris(pentafluoroethyl)trifluorophosphate ionic liquids as neat lubricants. <i>Tribology International</i> , 2014 , 70, 104-111	4.9	57
205	High-Pressure Characterization of Dynamic Viscosity and Derived Properties for Squalane and Two Pentaerythritol Ester Lubricants: Pentaerythritol Tetra-2-ethylhexanoate and Pentaerythritol Tetranonanoate. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 2394-2404	3.9	56
204	Volumetric properties under pressure for the binary system ethanol+toluene. <i>Fluid Phase Equilibria</i> , 2005 , 235, 139-151	2.5	56
203	Pressure and Temperature Dependence of Isobaric Heat Capacity for [Emim][BF ₄], [Bmim][BF ₄], [Hmim][BF ₄], and [Omim][BF ₄]. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 600-604	2.8	53
202	Study of the effects of pressure on the viscosity and density of diisodecyl phthalate. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 1007-1015	2.9	53
201	Volumetric behaviour of the environmentally compatible lubricants pentaerythritol tetraheptanoate and pentaerythritol tetranonanoate at high pressures. <i>Green Chemistry</i> , 2005 , 7, 775	1.0	50
200	Thermophysical Characterization of Liquids Using Precise Density and Isobaric Heat Capacity Measurements As a Function of Pressure. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 904-915	2.8	49
199	p [∞] Measurements of Polyethylene Glycol Dimethylethers Between 278.15 and 328.15 K at Pressures to 12 MPa. <i>International Journal of Thermophysics</i> , 2000 , 21, 831-851	2.1	49
198	Heat capacity of associated systems. Experimental data and application of a two-state model to pure liquids and mixtures. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1119-28	3.4	48
197	Bulk and liquid-vapor interface of pyrrolidinium-based ionic liquids: a molecular simulation study. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 731-42	3.4	47
196	Experimental Dynamic Viscosities of 2,3-Dimethylpentane up to 60 MPa and from (303.15 to 353.15) K Using a Rolling-Ball Viscometer. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 849-855	2.8	46
195	Phase Equilibria, PVT Behavior, and Critical Phenomena in Carbon Dioxide + n-Alkane Mixtures Using the Perturbed-Chain Statistical Associating Fluid Theory Approach. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 8345-8353	3.9	46

194	Analysis of thermodynamic properties of 1-alkanol + n-alkane mixtures using the nittaçhao group contribution model. <i>Fluid Phase Equilibria</i> , 1990 , 55, 293-308	2.5	46
193	Compressibilities and viscosities of reference and vegetable oils for their use as hydraulic fluids and lubricants. <i>Green Chemistry</i> , 2011 , 13, 1293	10	45
192	Viscosity measurements for squalane at high pressures to 350MPa from T=(293.15 to 363.15)K. <i>Journal of Chemical Thermodynamics</i> , 2014 , 69, 201-208	2.9	44
191	High pressure volumetric properties of 1-ethyl-3-methylimidazolium ethylsulfate and 1-(2-methoxyethyl)-1-methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 213-220	2.9	44
190	Viscosity and density measurements for carbon dioxide + pentaerythritol ester lubricant mixtures at low lubricant concentration. <i>Journal of Supercritical Fluids</i> , 2008 , 44, 172-185	4.2	44
189	Excess enthalpies of 1-heptanol + n-alkane and di-n-propylamine + normal alcohol mixtures at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1985 , 30, 321-323	2.8	43
188	Unusual Behavior of the Thermodynamic Response Functions of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 211-214	6.4	41
187	Vapor pressure measurements in the range 10 ⁸ Pa to 1 Pa of four pentaerythritol esters: Density and vapor-liquid equilibria modeling of ester lubricants. <i>Fluid Phase Equilibria</i> , 2007 , 260, 248-261	2.5	41
186	P [∞] Measurements and Equation of State (EoS) Predictions of Ester Lubricants up to 45 MPa. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 1172-1182	3.9	41
185	Thermodynamic properties of (a propyl ester + an n-alkane) at 298.15 K I. {xC ₂ H ₅ CO ₂ C ₃ H ₇ + (1 - x)C _n H _{2n+2} }, (n = 6 to 10). <i>Journal of Chemical Thermodynamics</i> , 1989 , 21, 1017-1022	2.9	41
184	Long-term thermal stability of some 1-butyl-1-methylpyrrolidinium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 74, 51-57	2.9	40
183	Excess enthalpies of (secondary amine + alcohol) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1983 , 15, 581-584	2.9	40
182	Experimental excess volumes of organic carbonate+alkane systems. Estimation of the parameters of the Nittaçhao model for this kind of binary mixture. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 1707-1712		39
181	Solubility of Carbon Dioxide in Two Pentaerythritol Ester Oils between (283 and 333) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1854-1861	2.8	39
180	High pressure viscosity and density modeling of two polyethers and two dialkyl carbonates. <i>Fluid Phase Equilibria</i> , 2002 , 199, 249-263	2.5	39
179	Analysis of excess enthalpies of ester+ 1-chloroalkanes with two group contribution models: primary parameters. <i>Fluid Phase Equilibria</i> , 1988 , 43, 295-316	2.5	39
178	Analysis of excess enthalpies of ethyl formate + n-alkane or 1-alkanol with two group contribution models. <i>Fluid Phase Equilibria</i> , 1990 , 56, 219-234	2.5	37
177	PEG 400-Based Phase Change Materials Nano-Enhanced with Functionalized Graphene Nanoplatelets. <i>Nanomaterials</i> , 2017 , 8,	5.4	36

176	Experimental density and viscosity measurements of di(2ethylhexyl)sebacate at high pressure. <i>Journal of Chemical Thermodynamics</i> , 2012 , 44, 38-43	2.9	36
175	Effect of the pressure on the viscosities of ionic liquids: Experimental values for 1-ethyl-3-methylimidazolium ethylsulfate and two bis(trifluoromethyl-sulfonyl)imide salts. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 302-309	2.9	35
174	Temperature dependence of the excess molar volume of (dimethyl carbonate, or diethyl carbonate+ toluene) from T= 278.15 K to 323.15 K. <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 743-754	2.9	35
173	Reference Correlation of the Viscosity of Squalane from 273 to 373 K at 0.1 MPa. <i>Journal of Physical and Chemical Reference Data</i> , 2013 , 42, 033101	4.3	34
172	p _{xx} Data for the Dimethyl Carbonate + Decane System. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 923-927	2.8	34
171	Influence of the pressure, temperature, cation and anion on the volumetric properties of ionic liquids: New experimental values for two salts. <i>Journal of Chemical Thermodynamics</i> , 2013 , 58, 440-448	2.9	33
170	Phase and viscosity behaviour of refrigerant/lubricant mixtures. <i>International Journal of Refrigeration</i> , 2005 , 28, 714-724	3.8	33
169	Measurements and Analysis of Excess Enthalpies of Ester + n-Alkane Using the UNIFAC Model. <i>Zeitschrift Fur Elektrochemie Und Elektrochemie</i> , 1991 , 95, 128-135		33
168	Reference Correlations for the Density and Viscosity of Squalane from 273 to 473 K at Pressures to 200 MPa. <i>Journal of Physical and Chemical Reference Data</i> , 2014 , 43, 013104	4.3	32
167	Pressure dependence on the viscosities of 1-butyl-2,3-dimethylimidazolium bis(trifluoromethylsulfonyl)imide and two tris(pentafluoroethyl)trifluorophosphate based ionic liquids: New measurements and modelling. <i>Journal of Chemical Thermodynamics</i> , 2013 , 62, 162-169	2.9	32
166	Pressure/viscosity Coefficients for Polyalkylene Glycol Oils and Other Ester or Ionic Lubricants. <i>Tribology Letters</i> , 2012 , 45, 89-100	2.8	31
165	Excess volumes and excess heat capacities for alkanediol+water systems in the temperature interval (283.15-313.15)K. <i>Fluid Phase Equilibria</i> , 2013 , 356, 1-10	2.5	31
164	On the isobaric thermal expansivity of liquids. <i>Journal of Chemical Physics</i> , 2011 , 134, 094502	3.9	31
163	p _{xx} measurements for HFC-134a + triethylene glycol dimethylether system. <i>Fluid Phase Equilibria</i> , 2002 , 199, 185-195	2.5	31
162	Volumetric Properties of Monoethylene Glycol Dimethyl Ether and Diethylene Glycol Dimethyl Ether up to 60 MPa. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 1044-1049	2.8	30
161	Thermal stability of aprotic ionic liquids as potential lubricants. Comparison with synthetic oil bases. <i>Journal of Chemical Thermodynamics</i> , 2018 , 116, 185-196	2.9	29
160	Density Measurements under Pressure for Mixtures of Pentaerythritol Ester Lubricants. Analysis of a Density/viscosity Relationship. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1429-1436	2.8	29
159	Dynamic Viscosity for HFC-134a + Polyether Mixtures up to 373.15 K and 140 MPa at Low Polyether Concentration. Measurements and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 804-814	3.9	29

158	Experimental densities and dynamic viscosities of organic carbonate + n-alkane or p-xylene systems at 298.15 K. <i>Fluid Phase Equilibria</i> , 2003 , 204, 233-243	2.5	29
157	Relationship between Viscosity Coefficients and Volumetric Properties: Measurements and Modeling for Pentaerythritol Esters. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 9171-9183	3.9	28
156	Thermal stability of some imidazolium [NTF ₂] ionic liquids: Isothermal and dynamic kinetic study through thermogravimetric procedures. <i>Journal of Chemical Thermodynamics</i> , 2017 , 112, 105-113	2.9	27
155	Using molecular simulation to understand the structure of [C ₂ C ₁ im] ⁺ -alkylsulfate ionic liquids: bulk and liquid-vapor interfaces. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 14159-70	3.4	27
154	Temperature and pressure dependences of volumetric properties of two poly(propylene glycol) dimethyl ether lubricants. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 84-89	2.9	27
153	Experimental and predicted excess enthalpies of the working pairs (methanol or trifluoroethanol + polyglycol ethers) for absorption cycles. <i>Fluid Phase Equilibria</i> , 1997 , 133, 229-238	2.5	26
152	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	2.8	26
151	Estimation of DISQUAC interaction parameters for low molecular mass analogues of polymers: Chloroalkane + ester mixtures. <i>Journal of Solution Chemistry</i> , 1994 , 23, 135-152	1.8	26
150	Functionalized graphene nanoplatelet nanofluids based on a commercial industrial antifreeze for the thermal performance enhancement of wind turbines. <i>Applied Thermal Engineering</i> , 2019 , 152, 113-125	5.8	25
149	Tribological properties of dispersions based on reduced graphene oxide sheets and trimethylolpropane trioleate or PAO 40 oils. <i>Journal of Molecular Liquids</i> , 2019 , 274, 568-576	6	25
148	Isobaric expansivities of the binary mixtures C ₃ H ₇ (OH) + C _n H _{2n} + 2 (n = 11, 12) between 288.15 and 318.15 K. <i>Thermochimica Acta</i> , 1988 , 131, 57-64	2.9	24
147	Excess enthalpies of some ester + alcohol binary mixtures. <i>Journal of Chemical & Engineering Data</i> , 1985 , 30, 318-320	2.8	24
146	Influence of the Molecular Structure on the Volumetric Properties and Viscosities of Dialkyl Adipates (Dimethyl, Diethyl, and Diisobutyl Adipates). <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3697-3703	2.8	23
145	Densities, viscosities, and excess properties of trifluoroethanol-water, tetraethylene glycol dimethylether-water, and trifluoroethanol-tetraethylene glycol dimethylether at 303.15 K. <i>International Journal of Thermophysics</i> , 1994 , 15, 661-674	2.1	23
144	Excess enthalpies of some 2-alkanone + 1-chloroalkane binary mixtures at 25 and 35°C. <i>Journal of Solution Chemistry</i> , 1991 , 20, 115-124	1.8	23
143	Thermophysical and tribological properties of dispersions based on graphene and a trimethylolpropane trioleate oil. <i>Journal of Molecular Liquids</i> , 2018 , 268, 854-866	6	22
142	Density measurements under pressure for the binary system (ethanol+methylcyclohexane). <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 1294-1304	2.9	22
141	Prediction of density and excess volume for the ternary mixture: (water + 2,2,2-trifluoroethanol + 2,5,8,11,14-pentaoxapentadecane) from experimental binary values at temperatures from 283.15 K to 333.15 K. <i>Journal of Chemical Thermodynamics</i> , 1995 , 27, 281-292	2.9	22

140	Vapor-liquid equilibrium of the binary mixtures $C_nH_{2n+1}(OH)$ ($n = 2,3,4$) + Propyl Ethanoate and + Ethyl Propanoate. <i>Canadian Journal of Chemical Engineering</i> , 1987 , 65, 982-990	2.3	22
139	Excess thermodynamics functions of 1-propanol + methyl propanoate and 1-propanol + methyl butanoate systems. <i>Fluid Phase Equilibria</i> , 1985 , 20, 145-153	2.5	22
138	Volumetric behaviour of six ionic liquids from $T = (278 \text{ to } 398) \text{ K}$ and up to 120 MPa. <i>Journal of Chemical Thermodynamics</i> , 2016 , 93, 24-33	2.9	21
137	Effect of ZrO_2 nanoparticles on thermophysical and rheological properties of three synthetic oils. <i>Journal of Molecular Liquids</i> , 2018 , 262, 126-138	6	21
136	Heat Capacities, Densities, and Speeds of Sound for $\{(1,5\text{-Dichloropentane or } 1,6\text{-Dichlorohexane}) + \text{Dodecane}\}$. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 333-338	2.8	21
135	Excess molar volumes at the temperature 298.15 K of $\{x_1C_2H_5CO_2(CH_2)_2CH_3 + x_2Cl(CH_2)_5CH_3 + (1 - x_1 - x_2) \text{ c-C}_6\text{H}_{12}\}$, $\{x_1C_2H_5CO_2(CH_2)_2CH_3 + x_2Cl(CH_2)_5CH_3 + (1 - x_1 - x_2)CH_3(CH_2)_4CH_3\}$, and $\{x_1C_2H_5CO_2(CH_2)_2CH_3 + x_2\text{c-C}_6\text{H}_{12} + (1 - x_1 - x_2)CH_3(CH_2)_4CH_3\}$. <i>Journal of Chemical Thermodynamics</i> , 2002 , 34, 119-128	2.9	21
134	High pressure density and solubility for the $CO_2 + 1\text{-ethyl-3-methylimidazolium ethylsulfate}$ system. <i>Journal of Supercritical Fluids</i> , 2014 , 88, 46-55	4.2	20
133	Ionic liquids as hydraulic fluids: comparison of several properties with those of conventional oils. <i>Lubrication Science</i> , 2014 , 26, 488-499	1.3	20
132	How Pressure Affects the Dynamic Viscosities of Two Poly(propylene glycol) Dimethyl Ether Lubricants. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4088-4094	2.8	20
131	Estimation of parameters of Nitta-Chao model for ester+1-alkanol mixtures. <i>Fluid Phase Equilibria</i> , 1998 , 148, 49-68	2.5	20
130	High-Pressure Volumetric Behavior of $x_1,1,1,2\text{-Tetrafluoroethane} + (1 - x_1) 2,5,8,11,14\text{-Pentaoxapentadecane (TEGDME)}$ Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 233-238	2.8	20
129	Experimental and predicted excess enthalpies of the $2,2,2\text{-trifluoroethanol/water/tetraethylene glycol dimethyl ether}$ ternary system using binary mixing data. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 2071-2079		20
128	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	2.9	20
127	Thermodynamic properties of (a propyl ester + an n-alkane) at 298.15 K II. $\{xC_3H_7CO_2C_3H_7 + (1 - x)n\text{-C}_m\text{H}_{2m+2}\}$, ($m = 6 \text{ to } 10$). <i>Journal of Chemical Thermodynamics</i> , 1990 , 22, 263-268	2.9	20
126	Excess molar enthalpies of butyl acetate + an n-alkane at 298.15 K. <i>Fluid Phase Equilibria</i> , 1986 , 28, 183-189	2.9	20
125	Correlation and Prediction of Dense Fluid Transport Coefficients. IX. Ionic Liquids. <i>International Journal of Thermophysics</i> , 2014 , 35, 812-829	2.1	19
124	Dynamic Viscosity under Pressure for Mixtures of Pentaerythritol Ester Lubricants with 32 Viscosity Grade: Measurements and Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1826-1833	3.9	19
123	Influence of the molecular structure on the viscosity of some alkoxyethanols. <i>Fluid Phase Equilibria</i> , 2005 , 236, 229-236	2.5	19

122	In Pursuit of a High-Temperature, High-Pressure, High-Viscosity Standard: The Case of Tris(2-ethylhexyl) Trimellitate. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2884-2895	2.8	18
121	On the viscosity of two 1-butyl-1-methylpyrrolidinium ionic liquids: Effect of the temperature and pressure. <i>Journal of Chemical Thermodynamics</i> , 2015 , 87, 43-51	2.9	18
120	Density and isothermal compressibility for two trialkylimidazolium-based ionic liquids at temperatures from (278 to 398) K and up to 120 MPa. <i>Journal of Chemical Thermodynamics</i> , 2015 , 81, 124-130	2.9	18
119	Speed of sound in ionic liquids with a common ion as a function of pressure and temperature. <i>Journal of Chemical Thermodynamics</i> , 2018 , 116, 235-240	2.9	18
118	Pressure-viscosity behaviour and film thickness in elastohydrodynamic regime of lubrication of ionic liquids and other base oils. <i>Lubrication Science</i> , 2014 , 26, 449-462	1.3	18
117	Tribo-chemical reactions of anion in pyrrolidinium salts for steel-steel contact. <i>Tribology International</i> , 2014 , 77, 160-170	4.9	18
116	Experimental Dynamic Viscosities of Dipentaerythritol Ester Lubricants at High Pressure. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3216-3223	2.8	18
115	Temperature and Pressure Dependences of Thermophysical Properties of Some Ethylene Glycol Dimethyl Ethers from Ultrasonic Measurements. <i>International Journal of Thermophysics</i> , 2006 , 27, 1354-1372	2.7	18
114	pVT 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	2.8	18
113	(p , V_m , T , x) measurements of dimethyl carbonate + octane binary mixtures: II. Excess molar volumes. <i>Fluid Phase Equilibria</i> , 2002 , 199, 135-145	2.5	18
112	Thermodynamic properties of binary mixtures of 2-hexanone with n-alkanes at 35°C. <i>Journal of Solution Chemistry</i> , 1990 , 19, 1095-1102	1.8	18
111	Excess molar volumes of (methyl butanoate + n-heptane + n-decane) and of (butyl butanoate + n-heptane + n-decane) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1990 , 22, 865-871	2.9	18
110	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	4.2	17
109	Volumetric Properties of Binary Tetraethylene Glycol Dimethyl Ether + Heptane Mixtures between (278.15 and 353.15) K and up to 25 MPa. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 1271-1278	2.8	17
108	Experimental and Predicted Solubilities of HFC134a (1,1,1,2-Tetrafluoroethane) in Polyethers. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1523-1529	3.9	17
107	High-Pressure Volumetric Properties of Three Monoethylene Glycol Alkyl Ethers. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1344-1349	2.8	17
106	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	2.8	17
105	High pressure viscosity characterization of four vegetable and mineral hydraulic oils. <i>Industrial Crops and Products</i> , 2014 , 54, 281-290	5.9	16

104	Isobaric Thermal Expansivity for Nonpolar Compounds. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2173-2179	2.8	16
103	High-pressure viscosity and density of carbon dioxide + pentaerythritol ester mixtures: Measurements and modeling. <i>AIChE Journal</i> , 2008 , 54, 1625-1636	3.6	16
102	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	4.2	16
101	Analysis of the intramolecular proximity effect on dichloroalkane + alkane mixtures using Nitta-Chao model. <i>Fluid Phase Equilibria</i> , 1995 , 110, 31-51	2.5	16
100	Excess molar enthalpies at 298.15 K of (an n-alkyl formate + an n-alkanol) III. {xHCO ₂ CH ₃ + (1-x)C _n H _{2n} +1OH}, (n = 3 to 10). <i>Journal of Chemical Thermodynamics</i> , 1988 , 20, 1315-1319	2.9	16
99	Thermophysical properties of polyalphaolefin oil modified with nanoadditives. <i>Journal of Chemical Thermodynamics</i> , 2019 , 131, 192-205	2.9	16
98	Tribological Behavior of Nanolubricants Based on Coated Magnetic Nanoparticles and Trimethylolpropane Trioleate Base Oil. <i>Nanomaterials</i> , 2020 , 10,	5.4	16
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90	Viscosity measurements and correlations for 1,1,1,2-tetrafluoroethane (HFC-134a) up to 140 MPa. <i>Fluid Phase Equilibria</i> , 2003 , 210, 21-32	2.5	14
89	Phase equilibria and pVT predictions for alkyl carbonate + n-alkane systems using equations of state. <i>Fluid Phase Equilibria</i> , 2003 , 212, 111-128	2.5	14
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84	Estimation of parameters of Nitta-Chao model for linear monoether + 1-alkanol mixtures. <i>Fluid Phase Equilibria</i> , 1997 , 133, 57-72	2.5	13
83	Excess molar enthalpies of (1,1-dichloroalkane + pentanol, or hexanol) at T=298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1998 , 30, 1061-1068	2.9	13
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75	Excess Gibbs energies and excess volumes of some alcohol-methyl ester binary mixtures. <i>Journal of Chemical & Engineering Data</i> , 1987 , 32, 17-22	2.8	12
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