Josefa Fernandez

List of Publications by Year in Descending Order

229 papers	6,384 citations	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	Improvement of the lubrication performance of an ester base oil with coated ferrite nanoadditives for different material pairs. *Journal of Molecular Liquids*, **2022**, 350, 118550	6	1
228	ZnO nanoparticles coated with oleic acid as additives for a polyalphaolefin lubricant. *Journal of Molecular Liquids*, **2022**, 348, 118401	6	2
227	Comparison between thermophysical and tribological properties of two engine lubricant additives: electrochemically exfoliated graphene and molybdenum disulfide nanoplatelets. *Nanotechnology*, **2021**, 32, 025701	3.4	9
226	Tribological properties of hexagonal boron nitride nanoparticles or graphene nanoplatelets blended with an ionic liquid as additives of an ester base oil. *Lubrication Science*, **2021**, 33, 269-278	1.3	0
225	Tribological synergies among chemical-modified graphene oxide nanomaterials and a phosphonium ionic liquid as additives of a biolubricant. *Journal of Molecular Liquids*, **2021**, 116885	6	3
224	Effect of hydrophobic phenomena over the volumetric behavior of aqueous ionic liquid solutions. *Journal of Molecular Liquids*, **2021**, 333, 115962	6	1
223	Tribological properties of graphene nanoplatelets or boron nitride nanoparticles as additives of a polyalphaolefin base oil. *Journal of Molecular Liquids*, **2021**, 333, 115911	6	7
222	Hybrid combinations of graphene nanoplatelets and phosphonium ionic liquids as lubricant additives for a polyalphaolefin. *Journal of Molecular Liquids*, **2021**, 336, 116266	6	7
221	Lubricant properties of trimethylolpropane trioleate biodegradable oil: High pressure density and viscosity, film thickness, Stribeck curves and influence of nanoadditives. *Journal of Molecular Liquids* , **2021**, 335, 116410	6	2
220	Heat capacity, density, surface tension, and contact angle for polyalphaolefins and ester lubricants. *Thermochimica Acta*, **2021**, 703, 178994	2.9	5
219	Double hybrid lubricant additives consisting of a phosphonium ionic liquid and graphene nanoplatelets/hexagonal boron nitride nanoparticles. *Tribology International*, **2021**, 163, 107189	4.9	5
218	Modeling of the Production of Lipid Microparticles Using PGSS Technique. *Molecules*, **2020**, 25,	4.8	4
217	Thermal conductivity of ionic liquids under pressure. *Fluid Phase Equilibria*, **2020**, 515, 112573	2.5	9
216	Synergistic effects of hexagonal boron nitride nanoparticles and phosphonium ionic liquids as hybrid lubricant additives. *Journal of Molecular Liquids*, **2020**, 311, 113343	6	15
215	Synergy between boron nitride or graphene nanoplatelets and tri(butyl)ethylphosphonium diethylphosphate ionic liquid as lubricant additives of triisotridecyltrimellitate oil. *Journal of Molecular Liquids*, **2020**, 301, 112442	6	14
214	Tribological performance of silicon nitride and carbon black Ionanofluids based on 1-ethyl-3-methylimidazolium methanesulfonate. *Journal of Molecular Liquids*, **2020**, 319, 114335	6	8
213	Tribological Behavior of Nanolubricants Based on Coated Magnetic Nanoparticles and Trimethylolpropane Trioleate Base Oil. *Nanomaterials*, **2020**, 10,	5.4	16

212	Tribological and Thermophysical Properties of Environmentally-Friendly Lubricants Based on Trimethylolpropane Trioleate with Hexagonal Boron Nitride Nanoparticles as an Additive. *Coatings*, **2019**, 9, 509	2.9	11
211	High pressure viscosity behaviour of tris(2-ethylhexyl) trimellitate up to 150 MPa. *Journal of Chemical Thermodynamics*, **2019**, 138, 159-166	2.9	7
210	Experimental Convection Heat Transfer Analysis of a Nano-Enhanced Industrial Coolant. *Nanomaterials*, **2019**, 9,	5.4	13
209	Functionalized graphene nanoplatelet nanofluids based on a commercial industrial antifreeze for the thermal performance enhancement of wind turbines. *Applied Thermal Engineering*, **2019**, 152, 113-125	5.8	25
208	Thermophysical properties of polyalphaolefin oil modified with nanoadditives. *Journal of Chemical Thermodynamics*, **2019**, 131, 192-205	2.9	16
207	International Standard for viscosity at temperatures up to 473 K and pressures below 200 MPa (IUPAC Technical Report). *Pure and Applied Chemistry*, **2019**, 91, 161-172	2.1	5
206	High Pressure Characterization of the Viscous and Volumetric Behavior of Three Transmission Oils. *Industrial & Engineering Chemistry Research*, **2019**, 58, 1732-1742	3.9	2
205	Tribological properties of dispersions based on reduced graphene oxide sheets and trimethylolpropane trioleate or PAO 40 oils. *Journal of Molecular Liquids*, **2019**, 274, 568-576	6	25
204	Excess thermodynamic functions in aqueous systems containing soluble fullerene derivatives. *Journal of Molecular Liquids*, **2018**, 256, 305-311	6	14
203	Isobaric heat capacity of nanostructured liquids with potential use as lubricants. *Journal of Chemical Thermodynamics*, **2018**, 123, 107-116	2.9	9
202	Effect of ZrO2 nanoparticles on thermophysical and rheological properties of three synthetic oils. *Journal of Molecular Liquids*, **2018**, 262, 126-138	6	21
201	Viscosity-pressure dependence for nanostructured ionic liquids. Experimental values for butyltrimethylammonium and 1-butyl-3-methylpyridinium bis(trifluoromethylsulfonyl)imide. *Journal of Chemical Thermodynamics*, **2018**, 121, 27-38	2.9	9
200	Determination of derived volumetric properties and heat capacities at high pressures using two density scaling based equations of state. Application to dipentaerythritol hexa(3,5,5-trimethylhexanoate). *Physical Chemistry Chemical Physics*, **2018**, 20, 3531-3542	3.6	5
199	Speed of sound in ionic liquids with a common ion as a function of pressure and temperature. *Journal of Chemical Thermodynamics*, **2018**, 116, 235-240	2.9	18
198	Thermal stability of aprotic ionic liquids as potential lubricants. Comparison with synthetic oil bases. *Journal of Chemical Thermodynamics*, **2018**, 116, 185-196	2.9	29
197	Pressure and temperature dependence of light fullerenes solubility in n-heptane. *Journal of Molecular Liquids*, **2018**, 268, 569-577	6	1
196	Thermophysical and tribological properties of dispersions based on graphene and a trimethylolpropane trioleate oil. *Journal of Molecular Liquids*, **2018**, 268, 854-866	6	22
195	High pressure densities of two nanostructured liquids based on the bis(trifluoromethylsulfonyl)imide anion from (278 to 398) K and up to 120 MPa. *Journal of Chemical Thermodynamics*, **2018**, 118, 67-76	2.9	6

194	Thermal stability of some imidazolium [NTf 2] ionic liquids: Isothermal and dynamic kinetic study through thermogravimetric procedures. *Journal of Chemical Thermodynamics*, **2017**, 112, 105-113	2.9	27
193	In Pursuit of a High-Temperature, High-Pressure, High-Viscosity Standard: The Case of Tris(2-ethylhexyl) Trimellitate. *Journal of Chemical & Engineering Data*, **2017**, 62, 2884-2895	2.8	18
192	Pressure dependence of the solubility of light fullerenes in n -nonane. *Journal of Chemical Thermodynamics*, **2017**, 112, 259-266	2.9	3
191	High Pressure Rheological Behavior of 1-Ethyl-3-methylimidazolium n-Hexylsulfate and Trihexyl(tetradecyl)phosphonium Tris(pentafluoroethyl)trifluorophosphate. *Journal of Chemical & Engineering Data*, **2017**, 62, 2927-2936	2.8	4
190	PEG 400-Based Phase Change Materials Nano-Enhanced with Functionalized Graphene Nanoplatelets. *Nanomaterials*, **2017**, 8,	5.4	36
189	Volumetric Behavior of Some Motor and Gear-Boxes Oils at High Pressure: Compressibility Estimation at EHL Conditions. *Industrial & Engineering Chemistry Research*, **2017**, 56, 10877-10885	3.9	3
188	Tribological Behavior of Two 1-Ethyl-3-methylimidazolium Alkyl Sulfates as Neat Lubricants for a Steel–Steel Contact. *Tribology Transactions*, **2017**, 60, 729-738	1.8	3
187	Volumetric behaviour of six ionic liquids from T = (278 to 398) K and up to 120 MPa. *Journal of Chemical Thermodynamics*, **2016**, 93, 24-33	2.9	21
186	Volumetric behavior of the ternary system (methyl tert-butyl ether + methylbenzene + butan-1-ol) and its binary sub-system (methyl tert-butyl ether + butan-1-ol) within the temperature range (298.15 to 328.15) K. *Journal of Chemical Thermodynamics*, **2015**, 90, 59-70	2.9	6
185	On the viscosity of two 1-butyl-1-methylpyrrolidinium ionic liquids: Effect of the temperature and pressure. *Journal of Chemical Thermodynamics*, **2015**, 87, 43-51	2.9	18
184	Density and isothermal compressibility for two trialkylimidazolium-based ionic liquids at temperatures from (278 to 398) K and up to 120 MPa. *Journal of Chemical Thermodynamics*, **2015**, 81, 124-130	2.9	18
183	Thermodynamic scaling of the shear viscosity of Mie n-6 fluids and their binary mixtures. *Journal of Chemical Physics*, **2015**, 142, 174501	3.9	15
182	Pressure dependence of the solubility of light fullerenes in 1-hexanol from 298.15K to 363.15K. *Journal of Molecular Liquids*, **2015**, 209, 71-76	6	2
181	Krytox GPL102 Oil as Reference Fluid for High Viscosities: High Pressure Volumetric Properties, Heat Capacities, and Thermal Conductivities. *Journal of Chemical & Engineering Data*, **2015**, 60, 3660-3669	2.8	8
180	Thermodynamic Properties of Dichloromethane, Bromochloromethane, and Dibromomethane under Elevated Pressure: Experimental Results and SAFT-VR Mie Predictions. *Industrial & Engineering Chemistry Research*, **2015**, 54, 720-730	3.9	11
179	Interactions and structure of ionic liquids on graphene and carbon nanotubes surfaces. *RSC Advances*, **2014**, 4, 18017-18024	3.7	61
178	High pressure density and solubility for the CO2+1-ethyl-3-methylimidazolium ethylsulfate system. *Journal of Supercritical Fluids*, **2014**, 88, 46-55	4.2	20
177	Viscosity measurements for squalane at high pressures to 350MPa from T=(293.15 to 363.15)K. *Journal of Chemical Thermodynamics*, **2014**, 69, 201-208	2.9	44

176	Reference Correlations for the Density and Viscosity of Squalane from 273 to 473 K at Pressures to 200 MPa. *Journal of Physical and Chemical Reference Data*, **2014**, 43, 013104	4.3	32
175	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	2.9	80
174	Pressure-viscosity behaviour and film thickness in elastohydrodynamic regime of lubrication of ionic liquids and other base oils. *Lubrication Science*, **2014**, 26, 449-462	1.3	18
173	Bulk and liquid-vapor interface of pyrrolidinium-based ionic liquids: a molecular simulation study. *Journal of Physical Chemistry B*, **2014**, 118, 731-42	3.4	47
172	Compressibilities and Viscosities of Reference, Vegetable, and Synthetic Gear Lubricants. *Industrial & Engineering Chemistry Research*, **2014**, 53, 4499-4510	3.9	6
171	Ionic liquids based on phosphonium cations as neat lubricants or lubricant additives for a steel/steel contact. *ACS Applied Materials & Interfaces*, **2014**, 6, 13115-28	9.5	102
170	Correlation and Prediction of Dense Fluid Transport Coefficients. IX. Ionic Liquids. *International Journal of Thermophysics*, **2014**, 35, 812-829	2.1	19
169	Tribo-chemical reactions of anion in pyrrolidinium salts for steel–steel contact. *Tribology International*, **2014**, 77, 160-170	4.9	18
168	Long-term thermal stability of some 1-butyl-1-methylpyrrolidinium ionic liquids. *Journal of Chemical Thermodynamics*, **2014**, 74, 51-57	2.9	40
167	Tribological Properties of Two Bis(trifluoromethylsulfonyl)imide–Based Ionic Liquids on Steel–Steel Contact. *Tribology Transactions*, **2014**, 57, 637-646	1.8	11
166	Ionic liquids as hydraulic fluids: comparison of several properties with those of conventional oils. *Lubrication Science*, **2014**, 26, 488-499	1.3	20
165	Phase equilibrium of two CO2+ biodegradable oil systems up to 72MPa. *Journal of Supercritical Fluids*, **2014**, 91, 90-97	4.2	4
164	Friction and anti-wear properties of two tris(pentafluoroethyl)trifluorophosphate ionic liquids as neat lubricants. *Tribology International*, **2014**, 70, 104-111	4.9	57
163	High pressure viscosity characterization of four vegetable and mineral hydraulic oils. *Industrial Crops and Products*, **2014**, 54, 281-290	5.9	16
162	Excess volumes and excess heat capacities for alkanediol+water systems in the temperature interval (283.15–313.15)K. *Fluid Phase Equilibria*, **2013**, 356, 1-10	2.5	31
161	Reference Correlation of the Viscosity of Squalane from 273 to 373 K at 0.1 MPa. *Journal of Physical and Chemical Reference Data*, **2013**, 42, 033101	4.3	34
160	Long-term thermal stability of five imidazolium ionic liquids. *Journal of Chemical Thermodynamics*, **2013**, 65, 184-190	2.9	66
159	Influence of the pressure, temperature, cation and anion on the volumetric properties of ionic liquids: New experimental values for two salts. *Journal of Chemical Thermodynamics*, **2013**, 58, 440-448	2.9	33

158	Experimental measurements and modeling of CO2 solubility in sunflower, castor and rapeseed oils. *Journal of Supercritical Fluids*, **2013**, 82, 191-199	4.2	4
157	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. *Journal of Chemical Thermodynamics*, **2013**, 62, 162-169	2.9	32
156	Carbon dioxide solubility in reference and vegetable lubricants developed for two stroke engines. *Journal of Supercritical Fluids*, **2012**, 68, 123-130	4.2	9
155	Experimental density and viscosity measurements of di(2ethylhexyl)sebacate at high pressure. *Journal of Chemical Thermodynamics*, **2012**, 44, 38-43	2.9	36
154	High pressure volumetric properties of 1-ethyl-3-methylimidazolium ethylsulfate and 1-(2-methoxyethyl)-1-methyl-pyrrolidinium bis(trifluoromethylsulfonyl)imide. *Journal of Chemical Thermodynamics*, **2012**, 48, 213-220	2.9	44
153	An experimental setup for isobaric heat capacities for viscous fluids at high pressure: Squalane, bis(2-ethylhexyl) sebacate and bis(2-ethylhexyl) phthalate. *Journal of Chemical Thermodynamics*, **2012**, 49, 75-80	2.9	8
152	Pressure□Viscosity Coefficients for Polyalkylene Glycol Oils and Other Ester or Ionic Lubricants. *Tribology Letters*, **2012**, 45, 89-100	2.8	31
151	On the density scaling of pVT data and transport properties for molecular and ionic liquids. *Journal of Chemical Physics*, **2012**, 136, 214502	3.9	15
150	Using molecular simulation to understand the structure of [C2C1im]+-alkylsulfate ionic liquids: bulk and liquid-vapor interfaces. *Journal of Physical Chemistry B*, **2012**, 116, 14159-70	3.4	27
149	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. *Journal of Chemical Thermodynamics*, **2012**, 54, 302-309	2.9	35
148	Density scaling of the transport properties of molecular and ionic liquids. *Journal of Chemical Physics*, **2011**, 134, 144507	3.9	85
147	Influence of Molecular Structure on Densities and Viscosities of Several Ionic Liquids. *Journal of Chemical & Engineering Data*, **2011**, 56, 4984-4999	2.8	137
146	Compressibilities and viscosities of reference and vegetable oils for their use as hydraulic fluids and lubricants. *Green Chemistry*, **2011**, 13, 1293	10	45
145	Vapor-Pressure Measurements and Modeling of Dipentaerythritol Ester Lubricants. *Industrial & Engineering Chemistry Research*, **2011**, 50, 4231-4237	3.9	6
144	On the isobaric thermal expansivity of liquids. *Journal of Chemical Physics*, **2011**, 134, 094502	3.9	31
143	High pressure densities of carbon dioxide+dipentaerythritol hexaheptanoate: New experimental setup and volumetric behavior. *Journal of Supercritical Fluids*, **2011**, 58, 189-197	4.2	10
142	Scaling of the viscosity of the Lennard-Jones chain fluid model, argon, and some normal alkanes. *Journal of Chemical Physics*, **2011**, 134, 064505	3.9	76
141	Effect of Water on the Viscosities and Densities of 1-Butyl-3-methylimidazolium Dicyanamide and 1-Butyl-3-methylimidazolium Tricyanomethane at Atmospheric Pressure□ *Journal of Chemical & Engineering Data*, **2010**, 55, 645-652	2.8	200

140	How Pressure Affects the Dynamic Viscosities of Two Poly(propylene glycol) Dimethyl Ether Lubricants. *Journal of Chemical & Engineering Data*, **2010**, 55, 4088-4094	2.8	20
139	Isobaric Thermal Expansivity of Highly Polar Nitrogen Compounds at Temperatures from (278.15 to 348.15) K and at Pressures from (5 to 55) MPa. *Journal of Chemical & Engineering Data*, **2010**, 55, 1537-1541	2.8	5
138	Influence of the Molecular Structure on the Volumetric Properties and Viscosities of Dialkyl Adipates (Dimethyl, Diethyl, and Diisobutyl Adipates). *Journal of Chemical & Engineering Data*, **2010**, 55, 3697-3703	2.8	23
137	Solubilities of Carbon Dioxide in a Dipentaerythritol Ester and in a Polyether *Journal of Chemical & Engineering Data*, **2010**, 55, 5483-5488	2.8	8
136	Experimental Dynamic Viscosities of Dipentaerythritol Ester Lubricants at High Pressure. *Journal of Chemical & Engineering Data*, **2010**, 55, 3216-3223	2.8	18
135	Pressure and Temperature Dependence of Isobaric Heat Capacity for [Emim][BF4], [Bmim][BF4], [Hmim][BF4], and [Omim][BF4] *Journal of Chemical & Engineering Data*, **2010**, 55, 600-604	2.8	53
134	Isobaric Thermal Expansivity for Nonpolar Compounds. *Journal of Chemical & Engineering Data*, **2010**, 55, 2173-2179	2.8	16
133	Unusual Behavior of the Thermodynamic Response Functions of Ionic Liquids. *Journal of Physical Chemistry Letters*, **2010**, 1, 211-214	6.4	41
132	Excess molar enthalpies of dichloropropane + n-alkane mixtures. *Journal of Thermal Analysis and Calorimetry*, **2010**, 101, 1121-1125	4.1	2
131	Temperature and pressure dependences of volumetric properties of two poly(propylene glycol) dimethyl ether lubricants. *Journal of Chemical Thermodynamics*, **2010**, 42, 84-89	2.9	27
130	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	4.2	17
129	Compressed liquid densities of two dipentaerythritol esters. *Fluid Phase Equilibria*, **2010**, 296, 30-36	2.5	13
128	Isobaric thermal expansivity of the binary system 1-hexanol+n-hexane as a function of temperature and pressure. *Fluid Phase Equilibria*, **2009**, 276, 1-6	2.5	14
127	Excess molar properties for binary systems of alkylimidazolium-based ionic liquids + nitromethane. Experimental results and ERAS-model calculations. *Journal of Chemical Thermodynamics*, **2009**, 41, 334-341	2.9	105
126	Excess enthalpy, density, and heat capacity for binary systems of alkylimidazolium-based ionic liquids + water. *Journal of Chemical Thermodynamics*, **2009**, 41, 161-166	2.9	162
125	Automated densimetric system: Measurements and uncertainties for compressed fluids. *Journal of Chemical Thermodynamics*, **2009**, 41, 632-638	2.9	109
124	Study of the effects of pressure on the viscosity and density of diisodecyl phthalate. *Journal of Chemical Thermodynamics*, **2009**, 41, 1007-1015	2.9	53
123	Solubility of HFC134a (1,1,1,2-Tetrafluoroethane) in Two Dialkyl Carbonates. *Journal of Chemical & Engineering Data*, **2009**, 54, 2609-2615	2.8	7

122	Thermophysical Characterization of Liquids Using Precise Density and Isobaric Heat Capacity Measurements As a Function of Pressure. *Journal of Chemical & Engineering Data*, **2009**, 54, 904-915	2.8	49
121	Solubility of Carbon Dioxide in Two Pentaerythritol Ester Oils between (283 and 333) K. *Journal of Chemical & Engineering Data*, **2008**, 53, 1854-1861	2.8	39
120	Relationship between viscosity coefficients and volumetric properties using a scaling concept for molecular and ionic liquids. *Journal of Physical Chemistry B*, **2008**, 112, 5563-74	3.4	79
119	Excess properties for binary systems ionic liquid+ethanol: Experimental results and theoretical description using the ERAS model. *Fluid Phase Equilibria*, **2008**, 274, 59-67	2.5	145
118	The Pressure–Viscosity Coefficient of Several Ionic Liquids. *Tribology Letters*, **2008**, 31, 107-118	2.8	89
117	Viscosities for Ionic Liquid Binary Mixtures with a Common Ion. *Journal of Solution Chemistry*, **2008**, 37, 677-688	1.8	98
116	High-pressure viscosity and density of carbon dioxide + pentaerythritol ester mixtures: Measurements and modeling. *AICHE Journal*, **2008**, 54, 1625-1636	3.6	16
115	Density and refractive index in mixtures of ionic liquids and organic solvents: Correlations and predictions. *Journal of Chemical Thermodynamics*, **2008**, 40, 949-956	2.9	120
114	Viscosity and density measurements for carbon dioxide + pentaerythritol ester lubricant mixtures at low lubricant concentration. *Journal of Supercritical Fluids*, **2008**, 44, 172-185	4.2	44
113	Phase and volumetric behavior of binary systems containing carbon dioxide and lubricants for transcritical refrigeration cycles. *Journal of Supercritical Fluids*, **2008**, 45, 261-271	4.2	13
112	Experimental and PC-SAFT volumetric and phase behavior of carbon dioxide+PAG or POE lubricant systems. *Journal of Supercritical Fluids*, **2008**, 47, 8-16	4.2	16
111	Density and Heat Capacity as a Function of Temperature for Binary Mixtures of 1-Butyl-3-methylpyridinium Tetrafluoroborate + Water, + Ethanol, and + Nitromethane. *Journal of Chemical & Engineering Data*, **2007**, 52, 2261-2265	2.8	60
110	Heat capacity of associated systems. Experimental data and application of a two-state model to pure liquids and mixtures. *Journal of Physical Chemistry B*, **2007**, 111, 1119-28	3.4	48
109	Dynamic Viscosity under Pressure for Mixtures of Pentaerythritol Ester Lubricants with 32 Viscosity Grade: Measurements and Modeling. *Industrial & Engineering Chemistry Research*, **2007**, 46, 1826-1835	3.9	19
108	Density Measurements under Pressure for Mixtures of Pentaerythritol Ester Lubricants. Analysis of a Density–Viscosity Relationship. *Journal of Chemical & Engineering Data*, **2007**, 52, 1429-1436	2.8	29
107	Vapor pressure measurements in the range 10⁻⁵ Pa to 1 Pa of four pentaerythritol esters: Density and vapor–liquid equilibria modeling of ester lubricants. *Fluid Phase Equilibria*, **2007**, 260, 248-261	2.5	41
106	Volumetric properties of 1-iodoperfluorohexane+n-octane binary system at several temperatures. *Journal of Thermal Analysis and Calorimetry*, **2007**, 87, 179-187	4.1	3
105	General friction theory viscosity model for the PC-SAFT equation of state. *AICHE Journal*, **2006**, 52, 1600-1610	3.6	63

104	P□□ Measurements and Equation of State (EoS) Predictions of Ester Lubricants up to 45 MPa. *Industrial & Engineering Chemistry Research*, **2006**, 45, 1172-1182	3.9	41
103	Relationship between Viscosity Coefficients and Volumetric Properties:□Measurements and Modeling for Pentaerythritol Esters. *Industrial & Engineering Chemistry Research*, **2006**, 45, 9171-9183	3.9	28
102	Thermodynamic Properties of Imidazolium-Based Ionic Liquids: Densities, Heat Capacities, and Enthalpies of Fusion of [bmim][PF6] and [bmim][NTf2]. *Journal of Chemical & Engineering Data*, **2006**, 51, 1856-1859	2.8	240
101	High-Pressure Characterization of Dynamic Viscosity and Derived Properties for Squalane and Two Pentaerythritol Ester Lubricants: Pentaerythritol Tetra-2-ethylhexanoate and Pentaerythritol Tetrananonanoate. *Industrial & Engineering Chemistry Research*, **2006**, 45, 2394-2404	3.9	56
100	Temperature and Pressure Dependences of Thermophysical Properties of Some Ethylene Glycol Dimethyl Ethers from Ultrasonic Measurements. *International Journal of Thermophysics*, **2006**, 27, 1354-1372	2.1	18
99	Volumetric behaviour of the environmentally compatible lubricants pentaerythritol tetraheptanoate and pentaerythritol tetrananonanoate at high pressures. *Green Chemistry*, **2005**, 7, 775	10	50
98	Experimental Dynamic Viscosities of 2,3-Dimethylpentane up to 60 MPa and from (303.15 to 353.15) K Using a Rolling-Ball Viscometer□ *Journal of Chemical & Engineering Data*, **2005**, 50, 849-855	2.8	46
97	Compressed Liquid Densities of Squalane and Pentaerythritol Tetra(2-ethylhexanoate)□ *Journal of Chemical & Engineering Data*, **2005**, 50, 939-946	2.8	96
96	Density measurements under pressure for the binary system (ethanol+methylcyclohexane). *Journal of Chemical Thermodynamics*, **2005**, 37, 1294-1304	2.9	22
95	Phase and viscosity behaviour of refrigerant□ubricant mixtures. *International Journal of Refrigeration*, **2005**, 28, 714-724	3.8	33
94	Influence of the molecular structure on the viscosity of some alkoxyethanols. *Fluid Phase Equilibria*, **2005**, 236, 229-236	2.5	19
93	Volumetric properties under pressure for the binary system ethanol+toluene. *Fluid Phase Equilibria*, **2005**, 235, 139-151	2.5	56
92	Thermodynamic properties of 1,1,1,2-tetrafluoroethane + polyether mixtures up to 60 MPa. *Canadian Journal of Chemistry*, **2004**, 82, 1271-1279	0.9	1
91	Influence of the number of CH2?CH2?O groups on the viscosity of polyethylene glycol dimethyl ethers at high pressure. *Fluid Phase Equilibria*, **2004**, 222-223, 331-338	2.5	15
90	Prediction of the pressure dependence on the thermodynamic properties of dialkyl carbonate + alkane mixtures using Nitta□hao model. *Fluid Phase Equilibria*, **2004**, 217, 165-173	2.5	4
89	Experimental and Predicted Solubilities of HFC134a (1,1,1,2-Tetrafluoroethane) in Polyethers. *Industrial & Engineering Chemistry Research*, **2004**, 43, 1523-1529	3.9	17
88	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}. *Journal of Chemical & Engineering Data*, **2004**, 49, 333-338	2.8	21
87	Dynamic Viscosity for HFC-134a + Polyether Mixtures up to 373.15 K and 140 MPa at Low Polyether Concentration. Measurements and Modeling. *Industrial & Engineering Chemistry Research*, **2004**, 43, 804-814	3.9	29

86	p□x Data for the Dimethyl Carbonate + Decane System. *Journal of Chemical & Engineering Data*, **2004**, 49, 923-927	2.8	34
85	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	3.9	46
84	p□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	2.8	18
83	High-Pressure Volumetric Properties of Three Monoethylene Glycol Alkyl Ethers. *Journal of Chemical & Engineering Data*, **2004**, 49, 1344-1349	2.8	17
82	Liquid Density Measurements of Diethylene Glycol Monoalkyl Ethers as a Function of Temperature and Pressure. *Journal of Chemical & Engineering Data*, **2004**, 49, 376-379	2.8	26
81	Volumetric Properties of Binary Tetraethylene Glycol Dimethyl Ether + Heptane Mixtures between (278.15 and 353.15) K and up to 25 MPa. *Journal of Chemical & Engineering Data*, **2003**, 48, 1271-1278	2.8	17
80	Modeling of Gas Solubility Data for HFCs□ubricant Oil Binary Systems by Means of the SRK Equation of State. *International Journal of Thermophysics*, **2003**, 24, 1043-1060	2.1	15
79	Viscosity measurements and correlations for 1,1,1,2-tetrafluoroethane (HFC-134a) up to 140 MPa. *Fluid Phase Equilibria*, **2003**, 210, 21-32	2.5	14
78	Sako□Wu□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	2.5	2
77	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	2.5	29
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