Josefa Fernandez

List of Publications by Year
in descending order

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236	7,417	57631	91712
papers	citations	44 h-index	69 g-index

243	243	243	3408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamic Properties of Imidazolium-Based Ionic Liquids:â€‰ Densities, Heat Capacities, and Enthalpies of Fusion of [bmim][PF6] and [bmim][NTf2]. Journal of Chemical & Engineering Data, 2006, 51, 1856-1859.	1.0	254
2	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.	1.0	216
3	Excess enthalpy, density, and heat capacity for binary systems of alkylimidazolium-based ionic liquids+water. Journal of Chemical Thermodynamics, 2009, 41, 161-166.	1.0	180
4	Excess properties for binary systems ionic liquid+ethanol: Experimental results and theoretical description using the ERAS model. Fluid Phase Equilibria, 2008, 274, 59-67.	1.4	159
5	Influence of Molecular Structure on Densities and Viscosities of Several Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 4984-4999.	1.0	157
6	Density and refractive index in mixtures of ionic liquids and organic solvents: Correlations and predictions. Journal of Chemical Thermodynamics, 2008, 40, 949-956.	1.0	139
7	Title is missing!. International Journal of Thermophysics, 2001, 22, 749-768.	1.0	136
8	Ionic Liquids Based on Phosphonium Cations As Neat Lubricants or Lubricant Additives for a Steel/Steel Contact. ACS Applied Materials & Interfaces, 2014, 6, 13115-13128.	4.0	118
9	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.	1.0	115
10	Automated densimetric system: Measurements and uncertainties for compressed fluids. Journal of Chemical Thermodynamics, 2009, 41, 632-638.	1.0	115
11	Viscosities for Ionic Liquid Binary Mixtures withÂaÂCommon Ion. Journal of Solution Chemistry, 2008, 37, 677-688.	0.6	110
12	The Pressureâ€“Viscosity Coefficient of Several Ionic Liquids. Tribology Letters, 2008, 31, 107-118.	1.2	105
13	Compressed Liquid Densities of Squalane and Pentaerythritol Tetra(2-ethylhexanoate)â€. Journal of Chemical & Engineering Data, 2005, 50, 939-946.	1.0	102
14	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
15	(p, Vm, T, x) measurements of dimethyl carbonate+octane binary mixtures. Fluid Phase Equilibria, 2001, 186, 235-255.	1.4	93
16	Relationship between Viscosity Coefficients and Volumetric Properties Using a Scaling Concept for Molecular and Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 5563-5574.	1.2	91
17	Density scaling of the transport properties of molecular and ionic liquids. Journal of Chemical Physics, 2011, 134, 144507.	1.2	91
18	Scaling of the viscosity of the Lennard-Jones chain fluid model, argon, and some normal alkanes. Journal of Chemical Physics, 2011, 134, 064505.	1.2	87

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19	Long-term thermal stability of five imidazolium ionic liquids. Journal of Chemical Thermodynamics, 2013, 65, 184-190.	1.0	79
20	General friction theory viscosity model for the PC-SAFT equation of state. AICHE Journal, 2006, 52, 1600-1610.	1.8	77
21	Friction and anti-wear properties of two tris(pentafluoroethyl)trifluorophosphate ionic liquids as neat lubricants. Tribology International, 2014, 70, 104-111.	3.0	68
22	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.	1.0	65
23	Interactions and structure of ionic liquids on graphene and carbon nanotubes surfaces. RSC Advances, 2014, 4, 18017-18024.	1.7	65
24	PEG 400-Based Phase Change Materials Nano-Enhanced with Functionalized Graphene Nanoplatelets. Nanomaterials, 2018, 8, 16.	1.9	65
25	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.	1.0	63
26	Volumetric properties under pressure for the binary system ethanol+toluene. Fluid Phase Equilibria, 2005, 235, 139-151.	1.4	61
27	Excess molar volumes of (ethyl formate or ethyl acetate + 1-chloroalkane) at 298.15 K. Journal of Chemical & Engineering Data, 1987, 32, 464-466.	1.0	60
28	High-Pressure Characterization of Dynamic Viscosity and Derived Properties for Squalane and Two Pentaerythritol Ester Lubricants:â€‰ Pentaerythritol Tetra-2-ethylhexanoate and Pentaerythritol Tetrananonanoate. Industrial & Engineering Chemistry Research, 2006, 45, 2394-2404.	1.8	60
29	Title is missing!. International Journal of Thermophysics, 2000, 21, 831-851.	1.0	55
30	Volumetric behaviour of the environmentally compatible lubricants pentaerythritol tetraheptanoate and pentaerythritol tetrananonanoate at high pressures. Green Chemistry, 2005, 7, 775.	4.6	54
31	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, 1119-1128.	1.2	53
32	Viscosity and density measurements for carbon dioxide+pentaerythritol ester lubricant mixtures at low lubricant concentration. Journal of Supercritical Fluids, 2008, 44, 172-185.	1.6	53
33	Study of the effects of pressure on the viscosity and density of diisodecyl phthalate. Journal of Chemical Thermodynamics, 2009, 41, 1007-1015.	1.0	53
34	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.	1.0	53
35	Compressibilities and viscosities of reference and vegetable oils for their use as hydraulic fluids and lubricants. Green Chemistry, 2011, 13, 1293.	4.6	52
36	Long-term thermal stability of some 1-butyl-1-methylpyrrolidinium ionic liquids. Journal of Chemical Thermodynamics, 2014, 74, 51-57.	1.0	52

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37	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
38	Solubility of Carbon Dioxide in Two Pentaerythritol Ester Oils between (283 and 333) K. Journal of Chemical & Engineering Data, 2008, 53, 1854-1861.	1.0	51
39	Bulk and Liquidâ€“Vapor Interface of Pyrrolidinium-Based Ionic Liquids: A Molecular Simulation Study. Journal of Physical Chemistry B, 2014, 118, 731-742.	1.2	51
40	Experimental Dynamic Viscosities of 2,3-Dimethylpentane up to 60 MPa and from (303.15 to 353.15) K Using a Rolling-Ball Viscometerâ€. Journal of Chemical & Engineering Data, 2005, 50, 849-855.	1.0	50
41	Analysis of thermodynamic properties of 1-alkanol + n-alkane mixtures using the nittaâ€”chao group contribution model. Fluid Phase Equilibria, 1990, 55, 293-308.	1.4	49
42	Excess enthalpies of 1-heptanol + n-alkane and di-n-propylamine + normal alcohol mixtures at 298.15 K. Journal of Chemical & Engineering Data, 1985, 30, 321-323.	1.0	48
43	Vapor pressure measurements in the range 10â^’5Pa to 1Pa of four pentaerythritol esters. Fluid Phase Equilibria, 2007, 260, 248-261.	1.4	48
44	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.	1.0	48
45	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.	1.0	47
46	High pressure viscosity and density modeling of two polyethers and two dialkyl carbonates. Fluid Phase Equilibria, 2002, 199, 249-263.	1.4	46
47	Synergistic effects of hexagonal boron nitride nanoparticles and phosphonium ionic liquids as hybrid lubricant additives. Journal of Molecular Liquids, 2020, 311, 113343.	2.3	45
48	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
49	Thermodynamic properties of (a propyl ester + an n-alkane) at 298.15 K I. {xC2H5CO2C3H7 + (1 â^’) Tj ETQq1 1 0.784314 rgBT /Over	1.0	43
50	Excess enthalpies of (secondary amine + alcohol) at 298.15 K. Journal of Chemical Thermodynamics, 1983, 15, 581-584.	1.0	42
51	Unusual Behavior of the Thermodynamic Response Functions of Ionic Liquids. Journal of Physical Chemistry Letters, 2010, 1, 211-214.	2.1	42
52	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, .	1.9	42
53	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.	1.0	42
54	Analysis of excess enthalpies of ester+ 1-chloroalkanes with two group contribution models: primary parameters. Fluid Phase Equilibria, 1988, 43, 295-316.	1.4	41

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55	Phase and viscosity behaviour of refrigerantâ€“lubricant mixtures. International Journal of Refrigeration, 2005, 28, 714-724.	1.8	41
56	Experimental density and viscosity measurements of di(2ethylhexyl)sebacate at high pressure. Journal of Chemical Thermodynamics, 2012, 44, 38-43.	1.0	41
57	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.	2.3	41
58	Temperature dependence of the excess molar volume of (dimethyl carbonate, or diethyl carbonate+) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	40
59	pÏ†xData for the Dimethyl Carbonate + Decane System. Journal of Chemical & Engineering Data, 2004, 49, 923-927.	1.0	40
60	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.	1.0	40
61	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
62	Analysis of excess enthalpies of ethyl formate + n-alkane or 1-alkanol with two group contribution models. Fluid Phase Equilibria, 1990, 56, 219-234.	1.4	38
63	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.	1.0	37
64	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.	1.0	37
65	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, .	1.9	37
66	Thermal stability of aprotic ionic liquids as potential lubricants. Comparison with synthetic oil bases. Journal of Chemical Thermodynamics, 2018, 116, 185-196.	1.0	37
67	Excess volumes and excess heat capacities for alkanediol+water systems in the temperature interval (283.15â€“313.15)K. Fluid Phase Equilibria, 2013, 356, 1-10.	1.4	36
68	Density Measurements under Pressure for Mixtures of Pentaerythritol Ester Lubricants. Analysis of a Densityâ^'Viscosity Relationship. Journal of Chemical & Engineering Data, 2007, 52, 1429-1436.	1.0	35
69	Measurements and Analysis of Excess Enthalpies of Ester + nâ€Alkane Using the UNIFAC Model. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 128-135.	0.9	34
70	Volumetric Properties of Monoethylene Glycol Dimethyl Ether and Diethylene Glycol Dimethyl Ether up to 60 MPa. Journal of Chemical & Engineering Data, 2003, 48, 1044-1049.	1.0	34
71	On the isobaric thermal expansivity of liquids. Journal of Chemical Physics, 2011, 134, 094502.	1.2	34
72	Double hybrid lubricant additives consisting of a phosphonium ionic liquid and graphene nanoplatelets/hexagonal boron nitride nanoparticles. Tribology International, 2021, 163, 107189.	3.0	34

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73	Pressureâ€“Viscosity Coefficients for Polyalkylene Glycol Oils and Other Ester or Ionic Lubricants. Tribology Letters, 2012, 45, 89-100.	1.2	33
74	Thermophysical and tribological properties of dispersions based on graphene and a trimethylolpropane trioleate oil. Journal of Molecular Liquids, 2018, 268, 854-866.	2.3	33
75	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.	3.0	33
76	Tribological Behavior of Nanolubricants Based on Coated Magnetic Nanoparticles and Trimethylolpropane Trioleate Base Oil. Nanomaterials, 2020, 10, 683.	1.9	32
77	PÏ†x measurements for HFC-134a + triethylene glycol dimethylether system. Fluid Phase Equilibria, 2002, 199, 185-195.	1.4	31
78	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.	1.8	31
79	Using Molecular Simulation to Understand the Structure of [C₂C₁im]⁺â€“Alkylsulfate Ionic Liquids: Bulk and Liquidâ€“Vapor Interfaces. Journal of Physical Chemistry B, 2012, 116, 14159-14170.	1.2	31
80	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
81	Relationship between Viscosity Coefficients and Volumetric Properties:Â Measurements and Modeling for Pentaerythritol Esters. Industrial & Engineering Chemistry Research, 2006, 45, 9171-9183.	1.8	30
82	Experimental and predicted excess enthalpies of the working pairs (methanol or trifluoroethanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	28
83	Temperature and pressure dependences of volumetric properties of two poly(propylene glycol) dimethyl ether lubricants. Journal of Chemical Thermodynamics, 2010, 42, 84-89.	1.0	28
84	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.	1.0	28
85	Estimation of DISQUAC interaction parameters for low molecular mass analogues of polymers: Chloroalkane + ester mixtures. Journal of Solution Chemistry, 1994, 23, 135-152.	0.6	27
86	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
87	Density measurements under pressure for the binary system (ethanol+methylcyclohexane). Journal of Chemical Thermodynamics, 2005, 37, 1294-1304.	1.0	27
88	Correlation and Prediction of Dense Fluid Transport Coefficients. IX. Ionic Liquids. International Journal of Thermophysics, 2014, 35, 812-829.	1.0	27
89	Thermophysical properties of polyalphaolefin oil modified with nanoadditives. Journal of Chemical Thermodynamics, 2019, 131, 192-205.	1.0	27
90	Isobaric expansivities of the binary mixtures C3H7(OH) + CnH2n + 2 (n = 11, 12) between 288.15 and 318.15 K. Thermochimica Acta, 1988, 131, 57-64.	1.2	26

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91	Densities, viscosities, and excess properties of trifluoroethanol-water, tetraethylene glycol dimethylether-water, and trifluoroethanol-tetraethylene glycol dimethylether at 303.15 K. International Journal of Thermophysics, 1994, 15, 661-674.	1.0	26
92	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.	2.3	26
93	ZnO nanoparticles coated with oleic acid as additives for a polyalphaolefin lubricant. Journal of Molecular Liquids, 2022, 348, 118401.	2.3	26
94	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.	1.0	25
95	Thermal conductivity of ionic liquids under pressure. Fluid Phase Equilibria, 2020, 515, 112573.	1.4	25
96	Excess enthalpies of some ester + alcohol binary mixtures. Journal of Chemical & Engineering Data, 1985, 30, 318-320.	1.0	24
97	Vaporâ€liquid equilibrium of the binary mixtures C_nH_{2n + 1}(OH) (n = 2,3,4) + Propyl Ethanoate and + Ethyl Propanoate. Canadian Journal of Chemical Engineering, 1987, 65, 982-990.	0.9	24
98	Excess enthalpies of some 2-alkanone + 1-chloroalkane binary mixtures at 25 and 35ï¿½C. Journal of Solution Chemistry, 1991, 20, 115-124.	0.6	24
99	How Pressure Affects the Dynamic Viscosities of Two Poly(propylene glycol) Dimethyl Ether Lubricants. Journal of Chemical & Engineering Data, 2010, 55, 4088-4094.	1.0	24
100	Ionic liquids as hydraulic fluids: comparison of several properties with those of conventional oils. Lubrication Science, 2014, 26, 488-499.	0.9	24
101	Effect of ZrO2 nanoparticles on thermophysical and rheological properties of three synthetic oils. Journal of Molecular Liquids, 2018, 262, 126-138.	2.3	24
102	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.	1.0	24
103	Excess thermodynamics functions of 1-propanol + methyl propanoate and 1-propanol + methyl butanoate systems. Fluid Phase Equilibria, 1985, 20, 145-153.	1.4	23
104	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
105	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.	1.0	23
106	Influence of the molecular structure on the viscosity of some alkoxyethanols. Fluid Phase Equilibria, 2005, 236, 229-236.	1.4	23
107	High pressure density and solubility for the CO2+1-ethyl-3-methylimidazolium ethylsulfate system. Journal of Supercritical Fluids, 2014, 88, 46-55.	1.6	23
108	Thermodynamic properties of (a propyl ester + an n-alkane) at 298.15 K II. {xC3H7CO2C3H7 + (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	22

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109	Excess molar volumes at the temperature 298.15 K of {x1C2H5CO2(CH2)2CH3 + x2Cl(CH2)5CH3 + (1 â^' x1 â^') Tj ETQq1 1 0.784314 {x1C2H5CO2(CH2)2CH3 + x2c-C6H12 + (1 â^' x1 â^' x2)CH3(CH2)4CH3}. Journal of Chemical Thermodynamics, 1992, 24, 119-128.	1.0	22
110	Prediction of density and excess volume for the ternary mixture: (water + 2,2,2-trifluoroethanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 K. Journal of Chemical Thermodynamics, 1995, 27, 281-292.	1.0	22
111	Thermodynamics of Rubber Elasticity. Journal of Chemical Education, 2001, 78, 263.	1.1	22
112	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
113	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.	1.0	22
114	Excess molar enthalpies of butyl acetate +_an n-alkane at 298.15 K. Fluid Phase Equilibria, 1986, 28, 183-189.	1.4	21
115	Excess molar volumes of (methyl butanoate + n-heptane + n-decane) and of (butyl butanoate +) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	21
116	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
117	Estimation of parameters of Nittaâ€"Chao model for ester+1-alkanol mixtures. Fluid Phase Equilibria, 1998, 148, 49-68.	1.4	21
118	High-Pressure Volumetric Behavior ofx1,1,1,2-Tetrafluoroethane + (1 â^'x) 2,5,8,11,14-Pentaoxapentadecane (TEGDME) Mixtures. Journal of Chemical & Engineering Data, 2002, 47, 233-238.	1.0	21
119	Experimental Dynamic Viscosities of Dipentaerythritol Ester Lubricants at High Pressure. Journal of Chemical & Engineering Data, 2010, 55, 3216-3223.	1.0	21
120	High pressure viscosity characterization of four vegetable and mineral hydraulic oils. Industrial Crops and Products, 2014, 54, 281-290.	2.5	21
121	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.	1.0	21
122	Hybrid combinations of graphene nanoplatelets and phosphonium ionic liquids as lubricant additives for a polyalphaolefin. Journal of Molecular Liquids, 2021, 336, 116266.	2.3	21
123	Thermodynamic properties of binary mixtures of 2-hexanone withn-alkanes at 35ï¿½C. Journal of Solution Chemistry, 1990, 19, 1095-1102.	0.6	20
124	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
125	High-Pressure Volumetric Properties of Three Monoethylene Glycol Alkyl Ethers. Journal of Chemical & Engineering Data, 2004, 49, 1344-1349.	1.0	20
126	Temperature and Pressure Dependences of Thermophysical Properties of Some Ethylene Glycol Dimethyl Ethers from Ultrasonic Measurements. International Journal of Thermophysics, 2006, 27, 1354-1372.	1.0	20

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127	Dynamic Viscosity under Pressure for Mixtures of Pentaerythritol Ester Lubricants with 32 Viscosity Grade:Â Measurements and Modeling. Industrial & Engineering Chemistry Research, 2007, 46, 1826-1835.	1.8	20
128	Pressureâ€viscosity behaviour and film thickness in elastohydrodynamic regime of lubrication of ionic liquids and other base oils. Lubrication Science, 2014, 26, 449-462.	0.9	20
129	Tribo-chemical reactions of anion in pyrrolidinium salts for steelâ€“steel contact. Tribology International, 2014, 77, 160-170.	3.0	20
130	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.	1.0	20
131	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.	1.0	19
132	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
133	Thermodynamic scaling of the shear viscosity of Mie n-6 fluids and their binary mixtures. Journal of Chemical Physics, 2015, 142, 174501.	1.2	19
134	Tribological synergies among chemical-modified graphene oxide nanomaterials and a phosphonium ionic liquid as additives of a biolubricant. Journal of Molecular Liquids, 2021, 336, 116885.	2.3	19
135	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
136	(p, Vm, T, x) measurements of dimethyl carbonate + octane binary mixtures. Fluid Phase Equilibria, 2002, 199, 135-145.	1.4	18
137	Title is missing!. International Journal of Thermophysics, 2003, 24, 1043-1060.	1.0	18
138	Highâ€pressure viscosity and density of carbon dioxide + pentaerythritol ester mixtures: Measurements and modeling. AICHE Journal, 2008, 54, 1625-1636.	1.8	18
139	Tribological properties of graphene nanoplatelets or boron nitride nanoparticles as additives of a polyalphaolefin base oil. Journal of Molecular Liquids, 2021, 333, 115911.	2.3	18
140	Analysis of the intramolecular proximity effect on dichloroalkane + alkane mixtures using Nitta-Chao model. Fluid Phase Equilibria, 1995, 110, 31-51.	1.4	17
141	Thermophysical properties of methanol+some polyethylene glycol dimethyl ether by UNIFAC and DISQUAC group-contribution models for absorption heat pumps. Fluid Phase Equilibria, 1999, 155, 327-337.	1.4	17
142	Excess molar enthalpies of mixtures of methyl derivatives of polyethylene glycol with 1-alkanol at 298.15 K and 101.3 kPa. Canadian Journal of Chemistry, 2002, 80, 462-466.	0.6	17
143	Experimental and Predicted Solubilities of HFC134a (1,1,1,2-Tetrafluoroethane) in Polyethers. Industrial & Engineering Chemistry Research, 2004, 43, 1523-1529.	1.8	17
144	Excess thermodynamic functions in aqueous systems containing soluble fullerene derivatives. Journal of Molecular Liquids, 2018, 256, 305-311.	2.3	17

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145	Tribological and Thermophysical Properties of Environmentally-Friendly Lubricants Based on Trimethylolpropane Trioleate with Hexagonal Boron Nitride Nanoparticles as an Additive. Coatings, 2019, 9, 509.	1.2	17
146	Experimental Convection Heat Transfer Analysis of a Nano-Enhanced Industrial Coolant. Nanomaterials, 2019, 9, 267.	1.9	17
147	Excess molar enthalpies at 298.15 K of (an n-alkyl formate + an n-alkanol) III. {xHCO2CH3 + (1 â˜' x) CnH2n + 1OH}, (n = 3 to 10). Journal of Chemical Thermodynamics, 1988, 20, 1315-1319.	1.0	16
148	Viscosity measurements and correlations for 1,1,1,2-tetrafluoroethane (HFC-134a) up to 140 MPa. Fluid Phase Equilibria, 2003, 210, 21-32.	1.4	16
149	Influence of the number of CH2î—¸CH2î—¸O groups on the viscosity of polyethylene glycol dimethyl ethers at high pressure. Fluid Phase Equilibria, 2004, 222-223, 331-338.	1.4	16
150	Isobaric Thermal Expansivity for Nonpolar Compounds. Journal of Chemical & Engineering Data, 2010, 55, 2173-2179.	1.0	16
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