

Mohammed Taghi Zafarani-Moattar

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#	Paper	IF	Citations
220	Apparent molar volume and isentropic compressibility of ionic liquid 1-butyl-3-methylimidazolium bromide in water, methanol, and ethanol at T = (298.15 to 318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2005 , 37, 1029-1035	2.9	181
219	Volumetric and Speed of Sound of Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate with Acetonitrile and Methanol at T = (298.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1694-1699	2.8	157
218	Viscosity, Density, Speed of Sound, and Refractive Index of Binary Mixtures of Organic Solvent + Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2359-2364	2.8	143
217	Phase Diagrams for the Aqueous Two-Phase Ternary System Containing the Ionic Liquid 1-Butyl-3-methylimidazolium Bromide and Tri-potassium Citrate at T = (278.15, 298.15, and 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 833-841	2.8	139
216	Application of Prigogine-Flory-Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1377-1384	2.9	130
215	Liquid-Liquid equilibria of aqueous two-phase systems containing polyethylene glycol and sodium dihydrogen phosphate or disodium hydrogen phosphate. <i>Fluid Phase Equilibria</i> , 2001 , 181, 95-112	2.5	112
214	Liquid-Liquid equilibria of an aqueous two-phase system containing polyethylene glycol and sodium citrate: experiment and correlation. <i>Fluid Phase Equilibria</i> , 2004 , 219, 149-155	2.5	110
213	Measurement and correlation of liquid-Liquid equilibria of the aqueous two-phase system polyvinylpyrrolidone-sodium dihydrogen phosphate. <i>Fluid Phase Equilibria</i> , 2002 , 203, 177-191	2.5	104
212	Effect of pH on the phase separation in the ternary aqueous system containing the hydrophilic ionic liquid 1-butyl-3-methylimidazolium bromide and the kosmotropic salt potassium citrate at T=298.15K. <i>Fluid Phase Equilibria</i> , 2011 , 304, 110-120	2.5	103
211	Liquid-Liquid Equilibria of Aqueous Two-Phase Systems Containing 1-Butyl-3-methylimidazolium Bromide and Potassium Phosphate or Dipotassium Hydrogen Phosphate at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1686-1692	2.8	98
210	Effect of tri-potassium phosphate on volumetric, acoustic, and transport behaviour of aqueous solutions of 1-ethyl-3-methylimidazolium bromide at T=(298.15 to 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1213-1221	2.9	93
209	Liquid-Liquid equilibria of aqueous two-phase systems containing polyethylene glycol and sodium succinate or sodium formate. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2005 , 29, 1-6	1.9	92
208	Salting-Out Effect, Preferential Exclusion, and Phase Separation in Aqueous Solutions of Chaotropic Water-Miscible Ionic Liquids and Kosmotropic Salts: Effects of Temperature, Anions, and Cations. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1598-1610	2.8	87
207	Thermodynamics of aqueous solutions of polyvinylpyrrolidone. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 665-670	2.9	81
206	Partitioning of amino acids in the aqueous biphasic system containing the water-miscible ionic liquid 1-butyl-3-methylimidazolium bromide and the water-structuring salt potassium citrate. <i>Biotechnology Progress</i> , 2011 , 27, 986-97	2.8	78
205	Effect of choline chloride/ethylene glycol or glycerol as deep eutectic solvents on the solubility and thermodynamic properties of acetaminophen. <i>Journal of Molecular Liquids</i> , 2018 , 249, 1222-1235	6	76
204	Liquid-Liquid Equilibria of Aqueous Two-Phase Poly(ethylene glycol)-Potassium Citrate System. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 262-265	2.8	75

203	Thermophysical characterization of aqueous deep eutectic solvent (choline chloride/urea) solutions in full ranges of concentration at T = (293.15-323.15) K. <i>Journal of Molecular Liquids</i> , 2017 , 243, 451-461	6	72
202	A new aqueous biphasic system containing polypropylene glycol and a water-miscible ionic liquid. <i>Biotechnology Progress</i> , 2012 , 28, 146-56	2.8	71
201	Volumetric and compressibility behaviour of ionic liquid, 1-n-butyl-3-methylimidazolium hexafluorophosphate and tetrabutylammonium hexafluorophosphate in organic solvents at T=298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 624-633	2.9	70
200	Phase diagrams for liquid-liquid equilibrium of ternary poly(ethylene glycol)+di-sodium tartrate aqueous system and vapor-liquid equilibrium of constituting binary aqueous systems at T=(298.15, 308.15, and 318.15)K. <i>Fluid Phase Equilibria</i> , 2008 , 268, 142-152	2.5	56
199	Effect of Temperature on the Phase Equilibrium of the Aqueous Two-Phase Poly(propylene glycol) + Tripotassium Citrate System. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 456-461	2.8	54
198	Osmotic coefficients of some imidazolium based ionic liquids in water and acetonitrile at temperature 318.15K. <i>Fluid Phase Equilibria</i> , 2007 , 254, 198-203	2.5	52
197	Liquid-liquid equilibria of aqueous two-phase systems containing polyethylene glycol 4000 and di-potassium tartrate, potassium sodium tartrate, or di-potassium oxalate: Experiment and correlation. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2008 , 32, 655-660	1.9	50
196	Vapor-Liquid Equilibria, Density, Speed of Sound, and Viscosity for the System Poly(ethylene glycol) 400 + Ethanol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 785-793	2.8	47
195	Phase Diagrams of Aliphatic Alcohols + Magnesium Sulfate + Water. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 1241-1243	2.8	46
194	Liquid-liquid equilibria of aqueous two-phase systems containing polyvinylpyrrolidone and tripotassium phosphate or dipotassium hydrogen phosphate: Experiment and correlation. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2007 , 31, 553-559	1.9	43
193	Measurement and Correlation of Viscosities, Densities, and Water Activities for the System Poly(propylene glycol) + MgSO ₄ + H ₂ O at 25°C. <i>Journal of Solution Chemistry</i> , 1998 , 27, 663-673	1.8	41
192	Experimental determination and correlation of acetaminophen solubility in aqueous solutions of choline chloride based deep eutectic solvents at various temperatures. <i>Fluid Phase Equilibria</i> , 2018 , 462, 100-110	2.5	40
191	Effect of temperature on volumetric and transport properties of nanofluids containing ZnO nanoparticles poly(ethylene glycol) and water. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 55-67	2.9	40
190	Effect of temperature on the phase equilibrium of aqueous two-phase systems containing polyvinylpyrrolidone and disodium hydrogen phosphate or trisodium phosphate. <i>Fluid Phase Equilibria</i> , 2005 , 238, 129-135	2.5	39
189	Study of liquid-liquid and liquid-solid equilibria of the ternary aqueous system containing poly ethylene glycol dimethyl ether 2000 and tri-potassium phosphate at different temperatures: Experiment and correlation. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2010 , 34, 478-486	1.9	38
188	Measurement and correlation of phase equilibria in aqueous two-phase systems containing polyvinylpyrrolidone and di-potassium tartrate or di-potassium oxalate at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 864-871	2.9	38
187	Volumetric and ultrasonic studies of the system (water+polypropylene glycol 400) at temperatures from (283.15 to 313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 871-875	2.9	36
186	Measurement and correlation of osmotic coefficients and evaluation of vapor pressures for solutions of CaCl ₂ and Ca(NO ₃) ₂ in ethanol at 298 K. <i>Fluid Phase Equilibria</i> , 2000 , 172, 221-235	2.5	36

185	Volumetric Properties of the Ionic Liquid, 1-Butyl-3-methylimidazolium Tetrafluoroborate, in Organic Solvents at T = 298.15K. <i>International Journal of Thermophysics</i> , 2008 , 29, 534-545	2.1	34
184	Phase Diagram Data for Several PPG + Salt Aqueous Biphasic Systems at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 947-950	2.8	34
183	Isopiestic determination of osmotic coefficients and evaluation of vapor pressures for electrolyte solutions of some lithium salts in ethanol. <i>Fluid Phase Equilibria</i> , 1999 , 166, 207-223	2.5	34
182	Effect of 1-carboxymethyl-3-methylimidazolium chloride, [HOOCMMIM][Cl], ionic liquid on volumetric, acoustic and transport behavior of aqueous solutions of l-serine and l-threonine at T=298.15K. <i>Journal of Molecular Liquids</i> , 2015 , 202, 79-85	6	33
181	Solubility, volumetric and compressibility properties of acetaminophen in some aqueous solutions of choline based deep eutectic solvents at T=(288.15 to 318.15) K. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 109, 121-130	5.1	33
180	Thermodynamics of magnesium sulfate-polypropylene glycol aqueous two-phase system. Experiment and correlation. <i>Fluid Phase Equilibria</i> , 1998 , 152, 57-65	2.5	32
179	Vapor-Liquid Equilibria, Density, and Speed of Sound for the System Poly(ethylene glycol) 400 + Methanol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1769-1774	2.8	32
178	Liquid-Liquid equilibria of aqueous two-phase systems containing polyethylene glycol and ammonium dihydrogen phosphate or diammonium hydrogen phosphate. Experiment and correlation. <i>Fluid Phase Equilibria</i> , 2002 , 198, 281-291	2.5	32
177	Phase Diagrams of Some Aliphatic Alcohols + Potassium or Sodium Citrate + Water at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1409-1413	2.8	31
176	Measurement and Correlation of Density for PEG + H ₂ O + NaHSO ₄ , NaH ₂ PO ₄ , and Na ₂ HPO ₄ at Three Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 386-390	2.8	31
175	Effect of 1-Butyl-3-methylimidazolium Ibuprofenate as an Active Pharmaceutical Ingredient Ionic Liquid (API-IL) on the Thermodynamic Properties of Glycine and l-Alanine in Aqueous Solutions at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2016 , 45, 624-663	1.8	31
174	Effect of Temperature on the Aqueous Two-Phase System Containing Poly(ethylene glycol) Dimethyl Ether 2000 and Dipotassium Oxalate. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 532-540	2.8	30
173	Volumetric Properties of Aqueous Ionic-Liquid Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1750-1755	2.8	28
172	Liquid-Liquid and Liquid-Liquid-Solid Equilibrium of the Poly(ethylene glycol) Dimethyl Ether 2000 + Sodium Sulfate + Water System. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2666-2670	2.8	28
171	Density, Speed of Sound, and Viscosity of Binary Mixtures of Poly(propylene glycol) 400 + Ethanol and + 2-Propanol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2211-2216	2.8	28
170	Phase Behavior of Aqueous Two-Phase PEG + NaOH System at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 297-300	2.8	28
169	Osmotic Coefficient of Methanol + LiCl, + LiBr, and + LiCH ₃ COO at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 215-219	2.8	28
168	Volumetric and compressibility properties for aqueous solutions of choline chloride based deep eutectic solvents and Prigogine-Flory-Patterson theory to correlate of excess molar volumes at T = (293.15 to 308.15) K. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111077	6	26

167	Thermodynamic study of aspirin in the presence of ionic liquid, 1-hexyl-3-methylimidazolium bromide in acetonitrile at T = (288.15 to 318.15) K. <i>Journal of Molecular Liquids</i> , 2015 , 209, 138-148	6	26
166	Extension of the NRTL and NRF models to multicomponent polymer solutions: Applications to polymer-polymer aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2005 , 231, 77-83	2.5	26
165	Design of Novel Biocompatible and Green Aqueous two-Phase Systems containing Cholinium L-alaninate ionic liquid and polyethylene glycol di-methyl ether 250 or polypropylene glycol 400 for separation of bovine serum albumin (BSA). <i>Journal of Molecular Liquids</i> , 2018 , 254, 322-332	6	25
164	Density, Viscosity, Speed of Sound, and Refractive Index of a Ternary Solution of Aspirin, 1-Butyl-3-methylimidazolium Bromide, and Acetonitrile at Different Temperatures T = (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1572-1583	2.8	25
163	Stability, rheological, magnetorheological and volumetric characterizations of polymer based magnetic nanofluids. <i>Colloid and Polymer Science</i> , 2013 , 291, 1977-1987	2.4	25
162	(Liquid+liquid) and (liquid+solid) equilibrium of aqueous two-phase systems containing poly ethylene glycol di-methyl ether 2000 and di-sodium hydrogen phosphate. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1071-1078	2.9	25
161	Thermodynamic evaluation of imidazolium based ionic liquids with thiocyanate anion as effective solvent to thiophene extraction. <i>Journal of Molecular Liquids</i> , 2016 , 219, 975-984	6	25
160	Exploring cytotoxicity of some choline-based deep eutectic solvents and their effect on the solubility of lamotrigine in aqueous media. <i>Journal of Molecular Liquids</i> , 2019 , 283, 834-842	6	24
159	Study of the liquid-liquid equilibrium of 1-propanol+manganese sulphate and 2-propanol+lithium sulphate aqueous two-phase systems at different temperatures: Experiment and correlation. <i>Fluid Phase Equilibria</i> , 2012 , 313, 107-113	2.5	24
158	Viscosity Modeling and Prediction of Aqueous Mixed Electrolyte Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 5833-5844	3.9	24
157	Effect of KCl on the volumetric and transport properties of aqueous tri-potassium citrate solutions at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 552-561	2.9	24
156	Study of thermodynamic properties of l-serine in aqueous 1-carboxymethyl-3-methylimidazolium chloride solutions at 298.15 K. <i>Fluid Phase Equilibria</i> , 2014 , 363, 32-40	2.5	23
155	Measurement and modeling of densities and sound velocities of the systems {poly(propylene glycol)+methanol, +ethanol, +1-propanol, +2-propanol and +1-butanol} at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 257-263	2.9	23
154	Isopiestic determination of osmotic coefficients and evaluation of vapor pressures for solutions of calcium chloride and calcium nitrate in methanol at 298.15 K. <i>Fluid Phase Equilibria</i> , 2002 , 200, 173-185	2.5	23
153	Isopiestic Determination of Osmotic and Activity Coefficients for Solutions of LiCl, LiBr, and LiNO ₃ in 2-Propanol at 25°C. <i>Journal of Solution Chemistry</i> , 2001 , 30, 351-363	1.8	23
152	Thermodynamic properties of 1-butyl-3-methylimidazolium salicylate as an active pharmaceutical ingredient ionic liquid (API-IL) in aqueous solutions of glycine and L-alanine at T = (288.15-318.15) K. <i>Thermochimica Acta</i> , 2016 , 637, 51-68	2.9	23
151	The study of solute-solvent interactions in 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate + acetonitrile from solvent activity, density, speed of sound, viscosity, electrical conductivity and refractive index measurements. <i>Journal of Molecular Liquids</i> , 2015 , 203, 198-203	6	22
150	Osmotic and Activity Coefficient of 1-Ethyl-3-methylimidazolium Bromide in Aqueous Solutions of Potassium Dihydrogen Phosphate, Dipotassium Hydrogen Phosphate, and Tripotassium Phosphate at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5182-5190	2.8	22

149	A modified nonrandom factor model for the calculation of solvent activities in polymer solution. <i>Fluid Phase Equilibria</i> , 2002 , 202, 413-422	2.5	22
148	Isopiestic Determination of 2-Propanol Activity in 2-Propanol + Poly(ethylene glycol) Solutions at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 72-75	2.8	22
147	Solubility and solvation behavior of some drugs in choline based deep eutectic solvents at different temperatures. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111799	6	22
146	Aqueous two-phase system based on cholinium chloride and polyethylene glycol di-methyl ether 250 and its use for acetaminophen separation. <i>Journal of Chemical Thermodynamics</i> , 2017 , 107, 85-94	2.9	21
145	Conductometric analysis of 1-butyl-3-methylimidazolium ibuprofenate as an active pharmaceutical ingredient ionic liquid (API-IL) in the aqueous amino acids solutions. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 165-175	2.9	21
144	Effect of ionic liquid, 1-hexyl-3-methylimidazolium bromide on the volumetric, acoustic and viscometric behavior of aqueous sucrose solutions at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 93, 60-69	2.9	21
143	Determination of Solvent Activity in Poly(vinylpyrrolidone) + Methanol, + Ethanol, + 2-Propanol, + and 1-Butanol Solutions at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1475-1478	2.8	21
142	Isopiestic and Volumetric Study of CuCl ₂ + Ethanol at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 308-313	2.8	21
141	Thermodynamic study of aqueous two-phase systems containing biocompatible cholinium aminoate ionic-liquids and polyethylene glycol di-methyl ether 250 and their performances for bovine serum albumin separation. <i>Journal of Chemical Thermodynamics</i> , 2019 , 130, 17-32	2.9	21
140	Study of naproxen in some aqueous solutions of choline-based deep eutectic solvents: Solubility measurements, volumetric and compressibility properties. <i>International Journal of Pharmaceutics</i> , 2019 , 564, 197-206	6.5	20
139	Phase Diagrams of Some Aliphatic Alcohols + Ammonium Dihydrogen Phosphate or Diammonium Hydrogen Phosphate + Water. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 525-528	2.8	20
138	Vapor-Liquid equilibria study of the ternary systems containing sucrose in aqueous solutions of ionic liquids, 1-butyl-3-methylimidazolium bromide and 1-hexyl-3-methylimidazolium bromide at 298.15 K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2016 , 429, 45-54	2.5	20
137	Effect of ionic liquids, 1-butyl-3-methylimidazolium bromide and 1-hexyl-3-methylimidazolium bromide on the vapour-Liquid equilibria of the aqueous D-fructose solutions at 298.15 K and atmospheric pressure using isopiestic method. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 142-150	2.9	19
136	Apparent molar volumes, apparent isentropic compressibilities, and viscosity B-coefficients of 1-ethyl-3-methylimidazolium bromide in aqueous di-potassium hydrogen phosphate and potassium di-hydrogen phosphate solutions at T=(298.15, 303.15, 308.15, 313.15, and 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 142-150	2.9	19
135	Thermodynamic studies on the phase equilibria of ternary {ionic liquid, 1-hexyl-3-methylimidazolium chloride + D-fructose or sucrose + water} systems at 298.15 K. <i>Fluid Phase Equilibria</i> , 2017 , 436, 38-46	2.5	18
134	Phase separation in aqueous solutions of polypropylene glycol and sodium citrate: Effects of temperature and pH. <i>Fluid Phase Equilibria</i> , 2015 , 385, 37-47	2.5	18
133	Density and speed of sound of lithium bromide with organic solvents: Measurement and correlation. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1649-1660	2.9	18
132	Determination of Solvent Activity in Poly(propylene glycol) + Methanol, + Ethanol, + 2-Propanol, and + 1-Butanol Solutions at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2003 , 48, 1524-1528	2.8	18

131	Vapor pressures and apparent molal volumes of the solutions of ZnCl ₂ in ethanol at 298.15K. <i>Fluid Phase Equilibria</i> , 2005 , 230, 64-71	2.5	18
130	The study of vapor-liquid equilibria of 1-ethyl-3-methyl imidazolium chloride and 1-butyl-3-methyl imidazolium chloride in lithium bromide aqueous solutions and their corresponding binary systems at 298.15K.. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2013 , 40, 16-23	1.9	17
129	Phase Diagrams for Liquid-Liquid and Liquid-Solid Equilibrium of the Ternary Poly(ethylene glycol) Dimethyl Ether 2000 + Sodium Carbonate + Water System. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2918-2922	2.8	17
128	Volumetric and Ultrasonic Studies of the Poly(ethylene glycol) Methacrylate 360 + Alcohol Systems at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 968-971	2.8	17
127	Liquid-liquid equilibria of choline chloride + 1-propanol or 2-propanol + water ternary systems at different temperatures: Study of choline chloride ability for recovering of these alcohols from water mixtures. <i>Journal of Molecular Liquids</i> , 2019 , 273, 463-475	6	17
126	Volumetric, acoustic, and refractometric properties of (thiophene + hexane/cyclohexane) solutions in the presence of some imidazolium based ionic liquids at T = 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2015 , 86, 188-195	2.9	16
125	Intermolecular interactions in mixtures of poly (ethylene glycol) with methoxybenzene and ethoxybenzene: Volumetric and viscometric studies. <i>Journal of Chemical Thermodynamics</i> , 2014 , 71, 221-230	2.9	16
124	Investigation on stability and rheological properties of nanofluid of ZnO nanoparticles dispersed in poly(ethylene glycol). <i>Fluid Phase Equilibria</i> , 2013 , 354, 102-108	2.5	16
123	Effect of Temperature and Concentration of KBr or KNO ₃ on the Volumetric and Transport Properties of Aqueous Solutions of Tripotassium Citrate. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2818-2829	2.8	16
122	Measurement and correlation of density and viscosity of polyvinylpyrrolidone solutions in alcohols at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1569-1574	2.9	16
121	Effective extraction of benzene and thiophene by novel deep eutectic solvents from hexane / aromatic mixture at different temperatures. <i>Fluid Phase Equilibria</i> , 2019 , 484, 38-52	2.5	16
120	Effect of Tetrabutylammonium Bromide-Based Deep Eutectic Solvents on the Aqueous Solubility of Indomethacin at Various Temperatures: Measurement, Modeling, and Prediction with Three-Dimensional Hansen Solubility Parameters. <i>AAPS PharmSciTech</i> , 2019 , 20, 204	3.9	15
119	Salting-out behaviour of 1-butyl-3-methylimidazolium bromide, [C ₄ mim][Br], ionic liquid on aqueous l-serine solutions at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2015 , 83, 43-51	2.9	15
118	Effect of 1-ethyl-3-methylimidazolium ethyl sulfate ionic liquid on the solubility of indomethacin in aqueous solutions at various temperatures. <i>Journal of Molecular Liquids</i> , 2018 , 260, 166-172	6	15
117	Phase diagrams for liquid-liquid and liquid-solid equilibrium of the ternary polyethylene glycol + di-sodium hydrogen citrate + water system. <i>Fluid Phase Equilibria</i> , 2013 , 337, 224-233	2.5	15
116	Measurement and Correlation of Phase Equilibria for Poly(ethylene glycol) Methacrylate + Alcohol Systems at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 283-287	2.8	15
115	Thermodynamic and transport properties of ionic liquids, 1-alkyl-3-methylimidazolium thiocyanate in the aqueous lithium halides solutions. <i>Journal of Chemical Thermodynamics</i> , 2020 , 141, 105953	2.9	15
114	Phase diagrams for (liquid + liquid) and (liquid + solid) equilibrium of aqueous two-phase system containing {polyvinylpyrrolidone 3500 (PVP3500) + sodium sulfite (Na ₂ SO ₃) + water} at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2014 , 72, 125-133	2.9	14

113	(Liquid+liquid) equilibrium of the ternary aqueous system containing poly ethylene glycol dimethyl ether 2000 and tri-potassium citrate at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 75-83	2.9	14
112	Effect of temperature on volumetric and transport properties of ternary poly ethylene glycol di-methyl ether 2000+poly ethylene glycol 400+water and the corresponding binary aqueous solutions: Measurement and correlation. <i>Fluid Phase Equilibria</i> , 2013 , 343, 43-57	2.5	14
111	Thermodynamic studies on the complete phase diagram of aqueous two phase system containing polyethylene glycol dimethyl ether 2000 and di-potassium hydrogen phosphate at different temperatures. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011 , 35, 165-172	1.9	14
110	Liquid-liquid equilibria and thermophysical properties of ternary mixtures {(benzene / thiophene)⊖ hexane⊖ deep eutectic solvents}. <i>Fluid Phase Equilibria</i> , 2020 , 509, 112455	2.5	14
109	Volumetric, Ultrasonic and Viscometric Studies of Aspirin in the Presence of 1-Octyl-3-Methylimidazolium Bromide Ionic Liquid in Acetonitrile Solutions at T=(288.15-318.15) K. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016 , 230, 1773-1799	3.1	14
108	Study of interactions between l-alanine and 1-octyl-3-methylimidazolium salicylate or 1-octyl-3-methylimidazolium ibuprofenate using the thermophysical properties at T = 298.15 K. <i>Journal of Molecular Liquids</i> , 2019 , 278, 105-114	6	14
107	Compatibility of sustainable solvents ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in some choline chloride based deep eutectic solvents: thermodynamics study. <i>Journal of Chemical Thermodynamics</i> , 2020 , 141, 105961	2.9	14
106	Stability and rheological properties of nanofluids containing ZnO nanoparticles, poly(propylene glycol) and poly(vinyl pyrrolidone). <i>Fluid Phase Equilibria</i> , 2015 , 403, 136-144	2.5	13
105	Investigation of 1-(2-carboxyethyl)-3-methylimidazolium chloride[HOOCEMIM][Cl] ionic liquid effect on water activity and solubility of l-serine at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 49-58	2.9	13
104	Isopiestic determination of water activity and vapour pressure for ternary (ionic liquid, 1-hexyl-4-methyl pyridinium bromide + d-fructose or sucrose + water) systems and corresponding binary ionic liquid solutions at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2018 , 116, 42-49	2.9	13
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102	Osmotic and activity coefficient of 1-ethyl-3-methylimidazolium chloride in aqueous solutions of tri-potassium phosphate, potassium carbonate, and potassium chloride at T=298.15K. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011 , 35, 331-341	1.9	13
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90	Vapor-Liquid Equilibria, Density, Speed of Sound, and Viscosity of Aqueous Dipotassium Tartrate Solutions at T = (298.15, 308.15, and 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1000-1006	2.8	11
89	Performance of Local Composition Models to Correlate the Aqueous Solubility of Naproxen in Some Choline Based Deep Eutectic Solvents at T = (298.15-313.15) K 2019 , 25, 244-253		11
88	Thermophysical properties of choline chloride/urea deep eutectic solvent in aqueous solution at infinite dilution at T = 293.15-323.15 K. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 3603-3612 ^{4.1}	4.1	11
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84	Thermophysical properties of ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in organic solvents at dilute region. <i>Journal of Molecular Liquids</i> , 2018 , 269, 547-555	6	9
83	Aqueous two-phase system of poly ethylene glycol dimethyl ether 2000 and sodium hydroxide at different temperatures: Experiment and correlation. <i>Fluid Phase Equilibria</i> , 2014 , 376, 225-233	2.5	9
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- 2 Understanding Solvation Behavior of Cefazolin Sodium in the Aqueous Choline Chloride/Ethylene Glycol or Urea Solutions through Vapor Pressure Osmometry and Volumetric and Acoustic Measurements. *Journal of Chemical & Engineering Data*, **2022**, 67, 113-122 2.8
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