Hemayat Shekaari

List of Publications by Year in Descending Order

201 papers	3,501 citations	31 h-index	49 g-index
206 ext. papers	4,059 ext. citations	3.7 avg, IF	6.29 L-index

#	Paper	IF	Citations
201	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	
200	Thermodynamic Studies of l-Tryptophan and l-Threonine Partitioning in Aqueous Two-phase Systems Containing Deep Eutectic Solvents (Choline Chloride/PEG) and Potassium Salts. *Journal of Chemical & Engineering Data*, **2022**, 67, 1214-1227	2.8	
199	Effective ultrasonic-assisted extraction and solubilization of curcuminoids from turmeric by using natural deep eutectic solvents and imidazolium-based ionic liquids. *Journal of Molecular Liquids*, **2022**, 119351	6	0
198	Novel aqueous two-phase systems containing polymer-based deep eutectic solvent and citrate salts for high-performance extraction of dyes. *Journal of Molecular Liquids*, **2022**, 360, 119475	6	0
197	Aqueous biphasic systems created with choline chloride-fructose natural deep eutectic solvents and polypropylene glycol 400 and usage of these systems for extraction of some commonly used drugs. *Fluid Phase Equilibria*, **2021**, 555, 113348	2.5	2
196	Thermodynamic Properties of Ternary Systems Containing (LiCl and LiBr) + Propylene Carbonate + Ionic Liquid (1-Alkyl-3-methylimidazolium Thiocyanate). *ACS Omega*, **2021**, 6, 27874-27887	3.9	
195	Thermophysical Properties of Protic Ionic Liquids Monoethanolamine, Diethanolamine, and Triethanolamine Lactate in Water. *Journal of Chemical & Engineering Data*, **2021**, 66, 1890-1899	2.8	2
194	Measurement and Thermodynamic Modeling of Lamotrigine Solubility in the Presence of Some Choline-Based Ionic Liquids. *Journal of Chemical & Engineering Data*, **2021**, 66, 2200-2208	2.8	2
193	Selective separation of □-tocopherol using eco-friendly choline chloride □-based deep eutectic solvents (DESs) via liquid-liquid extraction. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 617, 126317	5.1	2
192	Ultrasound-assisted of alkali chloride separation using bulk ionic liquid membrane. *Ultrasonics Sonochemistry*, **2021**, 74, 105549	8.9	
191	Paracetamol in aqueous solutions of polymeric-based deep eutectic solvents; solubility, partitioning, volumetric and compressibility studies. *Journal of Chemical Thermodynamics*, **2021**, 158, 106390	2.9	3
190	Pd supported on clicked cellulose-modified magnetite-graphene oxide nanocomposite for C-C coupling reactions in deep eutectic solvent. *Carbohydrate Polymers*, **2021**, 251, 117109	10.3	23
189	Thermodynamic and computational study of paracetamol in aqueous solutions of some sustainable amino acid-based ionic liquids. *Journal of Chemical Thermodynamics*, **2021**, 155, 106348	2.9	3
188	Enhancement of curcumin solubility by some choline chloride-based deep eutectic solvents at different temperatures. *Fluid Phase Equilibria*, **2021**, 532, 112917	2.5	12
187	Solvent-Free Production of 5-Hydroxymethylfurfural from Deep Eutectic Substrate Reaction Mixtures over a Magnetically Recoverable Solid Acid Catalyst. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 326-336	8.3	10
186	Thermodynamics of acetaminophen and bovine serum albumin partitioning in ternary aqueous solutions comprising polyethylene glycol dimethyl ether 250 and choline bitartrate: Liquid-liquid equilibria, volumetric and acoustic investigations. *Journal of Molecular Liquids*, **2021**, 323, 115072	6	3
185	Hydrophilic role of deep eutectic solvents for clean synthesis of biphenyls over a magnetically separable Pd-catalyzed Suzuki-Miyaura coupling reaction. *Journal of Molecular Liquids*, **2021**, 324, 115078	6	16

184	Water Activity in Aqueous Solution of Sucrose in the Presence of Some Deep Eutectic Solvents. *Journal of Chemical & Engineering Data*, **2021**, 66, 1043-1054	2.8	2
183	Investigation on stability, density and viscosity of ZnO/PEG nanofluids in the presence of 1-butyl 3-methylimidazolium chloride and 1-butyl 3-methylimidazolium bromide ionic liquids. *Journal of the Iranian Chemical Society*, **2021**, 18, 1405-1418	2	1
182	An efficient, cost-effective, and magnetically recoverable copper catalyst for O-arylation of phenols with aryl halides in choline chloride-based deep eutectic solvents. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 620, 126603	5.1	6
181	Effect of some choline based deep eutectic solvents on volumetric and ultrasonic properties of gabapentin drug in water at T = (288.15 to 318.15) K. *Journal of Molecular Liquids*, **2021**, 346, 117073	6	1
180	Measurement and PC-SAFT modeling of the water activity for aqueous solutions of D-mannose in some deep eutectic solvents. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 125, 58-68	5.3	
179	Effect of choline-based ionic liquids on thermodynamic and transport properties of aqueous diphenhydramine hydrochloric acid solutions. *Journal of Molecular Liquids*, **2021**, 337, 116431	6	1
178	Some thermodynamic properties and computational study of DESs (choline chloride / ethylene glycol and choline chloride / malonic acid(in lithium nitrate + propylene carbonate solutions at T = 298.15 K. *Journal of Chemical Thermodynamics*, **2021**, 165, 106642	2.9	1
177	Separation and encapsulation of Persian red rose oil by eutectic compounds. *Microchemical Journal*, **2021**, 168, 106458	4.8	
176	Cytotoxicity of some choline-based deep eutectic solvents and their effect on solubility of coumarin drug. *European Journal of Pharmaceutical Sciences*, **2021**, 167, 106022	5.1	1
175	Effect of choline chloride based deep eutectic solvents on lithium perchlorate□+□propylene carbonate solutions: Thermodynamic, transport, electrochemical and computational study. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**,	5.3	1
174	Thermophysical and taste behavior of sucrose in aqueous solution of some deep eutectic solvents at T=□(288.15 to 318.15) K. *Journal of Molecular Liquids*, **2021**, 338, 116599	6	1
173	Salting- in effect of deep eutectic solvents on the aqueous solutions of D-glucose by using isopiestic method. *Journal of Chemical Thermodynamics*, **2021**, 162, 106559	2.9	1
172	Catalytic dehydration of fructose into 5-hydroxymethylfurfural by propyl sulfonic acid functionalized magnetic graphene oxide nanocomposite. *Renewable Energy*, **2021**, 180, 132-139	8.1	6
171	Deep eutectic solvents for antiepileptic drug phenytoin solubilization: thermodynamic study.. *Scientific Reports*, **2021**, 11, 24081	4.9	0
170	The study of extent of interactions between components of natural deep eutectic solvents in the presence of water through isopiestic investigations. *Journal of Molecular Liquids*, **2020**, 311, 113347	6	7
169	Study of the liquid-liquid equilibrium for aqueous ternary systems containing choline bitartrate and 1-propanol or 2-propanol at different temperatures and their performances in acetaminophen separation and alcohols recovery. *Fluid Phase Equilibria*, **2020**, 514, 112536	2.5	2
168	Effect of choline-based ionic liquids as novel green solvents on the aqueous solubility enhancement and thermodynamic properties of acetaminophen. *Journal of Molecular Liquids*, **2020**, 306, 112504	6	6
167	Measurement and correlation of thermophysical properties in aqueous solutions of some novel bio-based deep eutectic solvents (lactic acid/amino acids) at T = (298.15 to 313.15) K. *Journal of Chemical Thermodynamics*, **2020**, 144, 106051	2.9	10

166	Vapor–liquid Equilibria and Computational Study for Aqueous Solutions of Novel Deep Eutectic Solvents (Amino Acid/Lactic Acid) at 298.15 K. *Journal of Chemical & Engineering Data*, **2020**, 65, 3262-3269	2.8	6
165	Solubility Enhancement of Betamethasone, Meloxicam and Piroxicam by Use of Choline-Based Deep Eutectic Solvents **2020**, 27, 86-101		6
164	Significant Increase in the Solubility of Celecoxib in Presence of Some Deep Eutectic Solvents as Novel Sustainable Solvents and the Thermodynamic Analysis of These Systems **2020**, 26, 423-433		4
163	Effect of some deep eutectic solvents based on choline chloride on thermodynamic properties of 5-hydroxymethylfurfural at T = (288.15 to 318.15) K. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 117, 1-9	5.3	3
162	Design and characterization of ascorbic acid based therapeutic deep eutectic solvent as a new ion-gel for delivery of sunitinib malate. *Journal of Drug Delivery Science and Technology*, **2020**, 56, 101512	4.5	11
161	Liquid-liquid equilibria and thermophysical properties of ternary mixtures {(benzene / thiophene) + hexane + deep eutectic solvents}. *Fluid Phase Equilibria*, **2020**, 509, 112455	2.5	14
160	Structural effects of choline amino acid ionic liquids on the extraction of bovine serum albumin by green and biocompatible aqueous biphasic systems composed of polypropylene glycol400 and choline amino acid ionic liquids. *Journal of Molecular Liquids*, **2020**, 301, 112397	6	6
159	Thermodynamic and transport investigation of aqueous solutions containing choline L-histidinate and some water soluble polymers such as polyethylene glycol di methyl ether, polyethylene glycol and polypropylene glycol: Evaluation of solute-solvent interactions and phase forming ability.	6	3
158	Volumetric, acoustic and viscometric investigation of some choline amino acid ionic liquids in aqueous solutions of polypropylene glycol 400 and polyethylene glycol 400. *Journal of Chemical Thermodynamics*, **2020**, 142, 106019	2.9	3
157	Investigation of solute-solvent interactions in binary and quaternary solutions containing lithium perchlorate, propylene carbonate, and the deep eutectic solvent (choline chloride/ethylene glycol) at T=(288.15 to 318.15) K. *Journal of Molecular Liquids*, **2020**, 319, 114090	6	6
156	The sweetness response and thermophysical properties of glucose and fructose in the aqueous solution of some deep eutectic solvents at T= (288.15-318.15) K. *Carbohydrate Research*, **2020**, 495, 108083	2.9	6
155	p-Phenylenediaminium iodide capping agent enabled self-healing perovskite solar cell. *Scientific Reports*, **2020**, 10, 20011	4.9	6
154	Effect of deep eutectic solvents based on choline chloride on the thermodynamic and transport properties of D-fructose in aqueous solution. *Fluid Phase Equilibria*, **2020**, 522, 112765	2.5	5
153	Measurement and correlation of coumarin solubility in aqueous solution of acidic deep eutectic solvents based on choline chloride. *Fluid Phase Equilibria*, **2020**, 524, 112788	2.5	5
152	Effect of Some Imidazolium-Based Ionic Liquids on the Stability, Volumetric, and Transport Properties of ZnO Nanofluids. *Journal of Chemical & Engineering Data*, **2020**, 65, 5369-5383	2.8	1
151	Application of Prigogine–Flory–Patterson theory to correlate the thermodynamic properties of aqueous mixtures of some three-component deep eutectic solvents based on choline chloride and carboxylic acids at T = (288.15 to 318.15) K. *Journal of Molecular Liquids*, **2020**, 320, 114224	6	1
150	Study of deep eutectic solvents (DESs) performance on aromatics (benzene and thiophene) extraction: thermophysical study. *Journal of Thermal Analysis and Calorimetry*, **2020**, 146, 1695	4.1	0
149	A highly selective green supported liquid membrane by using a hydrophobic deep eutectic solvent for carrier-less transport of silver ions. *Analytical Methods*, **2020**, 12, 4682-4690	3.2	5

148	Volumetric and acoustic properties of ionic liquid, 1-hexyl-3-methylimidazolium bromide in 1-hexanol, 1-heptanol and 1-octanol at T = (298.15–328.15) K. *Physics and Chemistry of Liquids*, **2020**, 58, 545-558	1.5	3
147	Solubility and thermodynamics of lamotrigine in ternary mixtures of ionic liquids ([OMIm][Br] + [HMIm][Br] + water) at different temperatures. *Chinese Journal of Chemical Engineering*, **2020**, 28, 198-207	3.2	3
146	Comprehensive models for density prediction of ionic liquid + molecular solvent mixtures at different temperatures. *Physics and Chemistry of Liquids*, **2020**, 58, 309-324	1.5	3
145	Thermodynamic and transport properties of ionic liquids, 1-alkyl-3-methylimidazolium thiocyanate in the aqueous lithium halides solutions. *Journal of Chemical Thermodynamics*, **2020**, 141, 105953	2.9	15
144	Compatibility of sustainable solvents ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in some choline chloride based deep eutectic solvents: thermodynamics study. *Journal of Chemical Thermodynamics*, **2020**, 141, 105961	2.9	14
143	Prediction of vapor pressure and density for nonaqueous solutions of the ionic liquid 1-ethyl-3-methylimidazolium ethyl sulfate using PC-SAFT equation of state. *Fluid Phase Equilibria*, **2020**, 506, 112320	2.5	4
142	Evaluation of solute-solvent interaction and phase separation for aqueous polymers solutions containing choline chloride/D-sucrose natural deep eutectic solvent through vapor-liquid equilibria, volumetric and acoustic studies. *Journal of Chemical Thermodynamics*, **2020**, 142, 105963	2.9	6
141	Solubility and solvation behavior of some drugs in choline based deep eutectic solvents at different temperatures. *Journal of Molecular Liquids*, **2020**, 297, 111799	6	22
140	The role of ionic association of choline amino acid ionic liquids on the two-phase formation and extraction of bovine serum albumin in ATPSs containing PEGDME250 and choline histidine or choline arginine at different temperatures. *Fluid Phase Equilibria*, **2020**, 505, 112352	2.5	
139	Thermophysical properties of choline chloride/urea deep eutectic solvent in aqueous solution at infinite dilution at T = 293.15–323.15 K. *Journal of Thermal Analysis and Calorimetry*, **2020**, 139, 3603-3612	4.1	11
138	The role of water soluble polymers in the phase separation of aqueous cholinium phenylalaninate solution as a green and biocompatible ionic liquid. *Fluid Phase Equilibria*, **2019**, 485, 199-210	2.5	12
137	Liquid–liquid Equilibria for Benzene/Thiophene + Cyclohexane/Hexadecane + Deep Eutectic Solvents: Data and Correlation. *Journal of Chemical & Engineering Data*, **2019**, 64, 3904-3918	2.8	12
136	Phase Equilibrium Study in Aqueous Solutions Containing Ionic Liquid 1-Butyl-3-methyl Imidazolium Chloride and Poly(propylene glycol) 400 or Poly(ethylene glycol) Dimethyl Ether 250 via a Vapor–Liquid Equilibrium Study at T = 298.15 K. *Journal of Chemical & Engineering Data*, **2019**, 64, 4298-4305	2.8	2
135	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. *AAPS PharmSciTech*, **2019**, 20, 204	3.9	15
134	The effect of pharmaceutically active ionic liquids, 1-methyl-(3-hexyl or octyl) imidazolium ibuprofenate on the thermodynamic and transport properties of aqueous solutions of glycine at T = 298.2 K and p = 0.087 MPa. *Journal of Molecular Liquids*, **2019**, 288, 111009	6	4
133	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. *Journal of Molecular Liquids*, **2019**, 289, 111077	6	26
132	Effect of ionic liquids 1-octyl-3-methyl imidazolium bromide or 1-octyl-3-methyl imidazolium chloride on thermophysical properties and taste behavior of sucrose in aqueous media at different temperatures: Volumetric, compressibility and viscometric properties. *Food Chemistry*, **2019**, 295, 662-670	8.5	8
131	Understanding solvation behavior of glucose in aqueous solutions of some deep eutectic solvents by thermodynamic approach. *Journal of Molecular Liquids*, **2019**, 289, 111000	6	14

130	Spectral and thermophysical properties of some novel deep eutectic solvent based on l-menthol and their mixtures with ethanol. *Journal of Molecular Liquids*, **2019**, 285, 477-487	6	16
129	Vapor–Liquid Equilibria Study of the Aqueous Systems Containing {Choline Chloride + Glucose or Urea} and Their Deep Eutectic Solvents at 298.15 K and 85 kPa. *Journal of Chemical & Engineering Data*, **2019**, 64, 4754-4762	2.8	10
128	Density, Speed of Sound, and Viscosity of Diethylene Glycol Monoethyl Ether + N,N-Dimethylformamide (Ethanol, Water) at T = 288.15–318.15 K. *Journal of Chemical & Engineering Data*, **2019**, 64, 1425-1436	2.8	15
127	Experimental determination and correlation of lamotrigine solubility in aqueous mixtures of 1-octyl-3-methylimidazolium bromide ionic liquid at various temperatures. *Journal of Chemical Thermodynamics*, **2019**, 135, 75-85	2.9	3
126	Exploring cytotoxicity of some choline-based deep eutectic solvents and their effect on the solubility of lamotrigine in aqueous media. *Journal of Molecular Liquids*, **2019**, 283, 834-842	6	24
125	Evaluation of Solute–Solvent Interactions in Aqueous Solutions Containing Cholinium Aminoate Ionic Liquids and Polyethylene Glycol Dimethyl Ether as a Nontoxic Solvent: Thermodynamic and Transport Studies. *Journal of Chemical & Engineering Data*, **2019**, 64, 1322-1337	2.8	8
124	Study of naproxen in some aqueous solutions of choline-based deep eutectic solvents: Solubility measurements, volumetric and compressibility properties. *International Journal of Pharmaceutics*, **2019**, 564, 197-206	6.5	20
123	Investigation of the Thermodynamic Properties in Aqueous Solutions Containing d-Fructose and Some Imidazolium-Based Ionic Liquids at Different Temperatures. *Journal of Chemical & Engineering Data*, **2019**, 64, 1385-1398	2.8	11
122	The effect of 1-hexyl-3-methylimidazolium bromide ionic liquid as a co-solvent on the aqueous solubility of lamotrigine at T = (293.2–313.2) K. *Journal of Chemical Thermodynamics*, **2019**, 133, 261-271	2.9	13
121	Solvation properties of 1-alkyl-3-methylimidazolium thiocyanate ionic liquids in the presence of lithium halide salts in N-methyl-2-pyrrolidone. *Journal of Molecular Liquids*, **2019**, 280, 191-204	6	10
120	The solubility of bosentan in aqueous-2-propanol mixtures at several temperatures, measurement and data correlation. *Physics and Chemistry of Liquids*, **2019**, 57, 578-586	1.5	2
119	Experimental determination and correlation of bosentan solubility in (PEG 200 + water) mixtures at T= (293.15–313.15) K. *Physics and Chemistry of Liquids*, **2019**, 57, 504-515	1.5	4
118	The effect of hyaluronic acid hydrogels on dental pulp stem cells behavior. *International Journal of Biological Macromolecules*, **2019**, 140, 245-254	7.9	29
117	Comparison of the Models for Correlation of Drug Solubility in Ethanol + Water Binary Mixtures. *Journal of Solution Chemistry*, **2019**, 48, 1079-1104	1.8	4
116	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
115	Measurement and Modeling of Solubility of Galactose in Aqueous Ionic Liquids, 1-Butyl-3-Methyl Imidazolium Bromide, 1-Hexyl-3-Methyl Imidazolium Bromide and 1-Butyl-3-Methylimidazolium Chloride at T = (298.15 And 308.15) K **2019**, 25, 319-330		1
114	Effect of 1-Octyl-3-Methylimidazolium Salicylate as an Active Pharmaceutical Ingredient (API-IL) on the Thermodynamic Behavior of Aqueous Glycine Solutions at T= 298.15 K **2019**, 25, 154-164		
113	Measurement and modelling of solubility data for bosentan in 1-propanol + water mixtures at various temperatures. *Physics and Chemistry of Liquids*, **2019**, 57, 640-649	1.5	2

112	Thermodynamic and transport properties of aqueous solutions containing cholinium l-alaninate and polyethylene glycol dimethyl ether 250: Evaluation of solute-solvent interactions and phase separation. *Journal of Chemical Thermodynamics*, **2019**, 132, 9-22	2.9	10
111	Thermophysical Properties of 1-Hexyl-3-methylimidazolium Salicylate as an Active Pharmaceutical Ingredient Ionic Liquid (API-IL) in Aqueous Solutions of Glycine and l-Alanine. *Journal of Chemical & Engineering Data*, **2019**, 64, 124-134	2.8	8
110	Effective extraction of benzene and thiophene by novel deep eutectic solvents from hexane / aromatic mixture at different temperatures. *Fluid Phase Equilibria*, **2019**, 484, 38-52	2.5	16
109	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. *Journal of Molecular Liquids*, **2019**, 278, 105-114	6	14
108	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. *Journal of Molecular Liquids*, **2019**, 273, 463-475	6	17
107	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. *Journal of Chemical Thermodynamics*, **2019**, 130, 17-32	2.9	21
106	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). *Journal of Molecular Liquids*, **2018**, 254, 322-332	6	25
105	Experimental determination and correlation of acetaminophen solubility in aqueous solutions of choline chloride based deep eutectic solvents at various temperatures. *Fluid Phase Equilibria*, **2018**, 462, 100-110	2.5	40
104	Density, speed of sound, viscosity, and conductivity of lactic acid in the aqueous solutions of polyethylene glycol at different temperatures. *Journal of Molecular Liquids*, **2018**, 255, 454-461	6	13
103	Investigation of the solute-solute and solute-solvent interactions in ternary {saccharide + ionic liquid + water} systems. *Journal of Molecular Liquids*, **2018**, 256, 191-202	6	7
102	Effect of fruit and milk sugars on solute□solvent interactions of diphenhydramine-hydrochloride drug in aqueous solutions in viewpoint of volumetric and transport properties. *Journal of Chemical Thermodynamics*, **2018**, 119, 44-60	2.9	11
101	Viscosity prediction of ionic liquid + molecular solvent mixtures at various temperatures. *Journal of Molecular Liquids*, **2018**, 263, 228-236	6	7
100	Effect of 1-ethyl-3-methylimidazolium ethyl sulfate ionic liquid on the solubility of indomethacin in aqueous solutions at various temperatures. *Journal of Molecular Liquids*, **2018**, 260, 166-172	6	15
99	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. *Journal of Chemical Thermodynamics*, **2018**, 116, 42-49	2.9	13
98	Thermodynamic Studies of the Aqueous Two-Phase System Containing Polyethylene Glycol Dimethyl Ether 2000 and Sodium Nitrite at (298.15, 308.15, and 318.15) K. *Journal of Chemical & Engineering Data*, **2018**, 63, 2689-2696	2.8	4
97	Thermophysical properties of ionic liquid, 1-ethyl-3-methylimidazolium ethyl sulfate in organic solvents at dilute region. *Journal of Molecular Liquids*, **2018**, 269, 547-555	6	9
96	Salting-out Effect of Ionic Liquid, 1-Butyl-3-methyl Imidazolium Chloride on Aqueous d-Fructose or Sucrose Solutions at T = 298.15 K: Vapor□Liquid Equilibrium Study. *Journal of Chemical & Engineering Data*, **2018**, 63, 3196-3205	2.8	5
95	Dissociation Behavior of l(+)-Lactic Acid in Aqueous Solutions of (1-Alkyl-4-methylpyridinium bromide + Poly (ethyleneglycol)) at T = (288.15□318.15) K. *Journal of Solution Chemistry*, **2018**, 47, 26-46	1.8	

94	Effect of temperature and molar mass of polymer on liquid-liquid equilibria of aqueous two-phase system containing poly ethylene glycol di-methyl ether and ammonium sulfate and application of this system in separation of lactic acid. *Fluid Phase Equilibria*, **2018**, 459, 85-93	2.5	5
93	Effect of choline chloride/ethylene glycol or glycerol as deep eutectic solvents on the solubility and thermodynamic properties of acetaminophen. *Journal of Molecular Liquids*, **2018**, 249, 1222-1235	6	76
92	Vapor–Liquid Equilibrium, Volumetric, and Compressibility Properties of 1-Propanol + Poly(ethylene glycol) Dimethyl Ether 250 and 500 Binary Mixtures. *Journal of Chemical & Engineering Data*, **2018**,	2.8	1
91	Thermodynamic studies on the phase equilibria of ternary {ionic liquid, 1-hexyl-3-methyl imidazolium chloride + D-fructose or sucrose + water} systems at 298.15 K. *Fluid Phase Equilibria*, **2017**, 436, 38-46	2.5	18
90	Influence of 1-alkyl-3-methylimidazolium based ionic liquids on the thermodynamic and transport properties of L(+)-lactic acid in aqueous solutions of polyethylene glycol. *Fluid Phase Equilibria*, **2017**, 440, 77-86	2.5	4
89	Effect of 1-butyl-4-methylpyridinium and 1-butyl-3-methylimidazolium halide ionic liquids on the interactions of lactic acid in the aqueous solutions of polyethylene glycol. *Journal of Chemical Thermodynamics*, **2017**, 112, 188-195	2.9	7
88	Study of phase equilibria of aqueous two phase system containing poly ethylene glycol di-methyl ether 2000 and sodium nitrate at different temperatures and application of this system in separation of iodine. *Journal of Chemical Thermodynamics*, **2017**, 113, 20-28	2.9	7
87	Aqueous two-phase system based on cholinium chloride and polyethylene glycol di-methyl ether 250 and it use for acetaminophen separation. *Journal of Chemical Thermodynamics*, **2017**, 107, 85-94	2.9	21
86	Measurement and Correlation of Activity, Density, and Speed of Sound for Binary Mixtures of 1-Propanol + Poly(Propylene Glycol) 400, 725, and 1025. *Journal of Chemical & Engineering Data*, **2017**, 62, 4187-4195	2.8	3
85	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. *European Journal of Pharmaceutical Sciences*, **2017**, 109, 121-130	5.1	33
84	Conductivity and dissociation behavior of l(+)-lactic acid in the aqueous solutions of (1-butyl-4-methylpyridinium halide, 1-butyl-3-methylimidazolium halide + polyethylene glycol) at different temperatures. *Journal of Molecular Liquids*, **2017**, 242, 884-891	6	1
83	Thermophysical characterization of aqueous deep eutectic solvent (choline chloride/urea) solutions in full ranges of concentration at T = (293.15–323.15) K. *Journal of Molecular Liquids*, **2017**, 243, 451-461	6	72
82	Effect of some imidazolium based ionic liquids on the electrical conductivity of L(+)-lactic acid in aqueous solutions of poly(ethylene glycol). *Fluid Phase Equilibria*, **2017**, 451, 1-11	2.5	3
81	Effect of Some Imidazolium-Based Ionic Liquids with Different Anions on the Thermodynamic Properties of Acetaminophen in Aqueous Media at T = 293.15 to 308.15 K. *Journal of Chemical & Engineering Data*, **2017**, 62, 4093-4107	2.8	6
80	Density, Speed of Sound, and Viscosity of Aqueous Solutions Containing 1-Alkyl-4-methylpyridinium Bromide, Lactic Acid, and Polyethylene Glycol. *Journal of Chemical & Engineering Data*, **2017**, 62, 2021-2029	2.8	4
79	Effect of ionic liquids, 1-butyl-3-methyl imidazolium bromide and 1-hexyl-3-methyl imidazolium bromide on the vapour–Liquid equilibria of the aqueous d -fructose solutions at 298.15 K and atmospheric pressure using isopiestic method. *Journal of Chemical Thermodynamics*, **2017**, 105, 142-150	2.9	19
78	Conductometric analysis of 1-butyl-3-methylimidazolium ibuprofenate as an active pharmaceutical ingredient ionic liquid (API-IL) in the aqueous amino acids solutions. *Journal of Chemical Thermodynamics*, **2016**, 103, 165-175	2.9	21
77	Phase Equilibrium of Aqueous Glycine + Choline Chloride Ionic Liquid Solutions. *Journal of Solution Chemistry*, **2016**, 45, 1842-1856	1.8	7

76	Thermodynamic behavior of thiophene with octane, 1-hexyl-3-methylimidazolium bromide, or 1-octyl-3-methylimidazolium bromide in dilute region at T = (288.15 to 303.15) K. *Journal of Chemical Thermodynamics*, **2016**, 97, 100-112	2.9	12
75	Effect of ionic liquid, 1-hexyl-3-methylimidazolium bromide on the volumetric, acoustic and viscometric behavior of aqueous sucrose solutions at different temperatures. *Journal of Chemical Thermodynamics*, **2016**, 93, 60-69	2.9	21
74	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. *Journal of Solution Chemistry*, **2016**, 45, 624-663	1.8	31
73	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. *Thermochimica Acta*, **2016**, 637, 51-68	2.9	23
72	Thermodynamic evaluation of imidazolium based ionic liquids with thiocyanate anion as effective solvent to thiophene extraction. *Journal of Molecular Liquids*, **2016**, 219, 975-984	6	25
71	Vapor–Liquid equilibria study of the ternary systems containing sucrose in aqueous solutions of ionic liquids, 1-butyl-3-methyl imidazolium bromide and 1-hexyl-3-methyl imidazolium bromide at 298.15 K and atmospheric pressure. *Fluid Phase Equilibria*, **2016**, 429, 45-54	2.5	20
70	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. *Zeitschrift Fur Physikalische Chemie*, **2016**, 230, 1773-1799	3.1	14
69	Stability and rheological properties of nanofluids containing ZnO nanoparticles, poly(propylene glycol) and poly(vinyl pyrrolidone). *Fluid Phase Equilibria*, **2015**, 403, 136-144	2.5	13
68	Volumetric Properties of Aqueous Ionic-Liquid Solutions at Different Temperatures. *Journal of Chemical & Engineering Data*, **2015**, 60, 1750-1755	2.8	28
67	Molecular interactions of VO(salen) Schiff base complex with an ionic liquid in dimethyl sulfoxide solutions. *Ionics*, **2015**, 21, 2557-2565	2.7	
66	Volumetric, acoustic, and refractometric properties of (thiophene + hexane/cyclohexane) solutions in the presence of some imidazolium based ionic liquids at T = 298.15 K. *Journal of Chemical Thermodynamics*, **2015**, 86, 188-195	2.9	16
65	Densities and Viscosities of Ternary N,N?-Bis(2-pyridylmethylidene)-1,2-diiminoethane Schiff Base + Imidazolium Based Ionic Liquids + Acetonitrile Solutions at T = (298.15 to 313.15) K. *Journal of Chemical & Engineering Data*, **2015**, 60, 1106-1118	2.8	2
64	The effect of temperature and molar mass on the (liquid + liquid) equilibria of (poly ethylene glycol dimethyl ether + di-sodium hydrogen citrate + water) systems: Experimental and correlation. *Journal of Chemical Thermodynamics*, **2015**, 91, 435-444	2.9	7
63	The study of solute–solute and solute–solvent interactions in aqueous solutions containing sucrose and ionic liquid, 1-butyl-3-methylimidazolium bromide at different temperatures. *Journal of Molecular Liquids*, **2015**, 212, 930-940	6	8
62	Solvation properties of acetaminophen in aqueous ionic liquid, 1-hexyl-3-methylimidazolium bromide, solutions at different temperatures. *Journal of Molecular Liquids*, **2015**, 202, 86-94	6	21
61	Schiff base ligands and their transition metal complexes in the mixtures of ionic liquid + organic solvent: a thermodynamic study. *Physical Chemistry Chemical Physics*, **2015**, 17, 2179-91	3.6	14
60	Effect of N,N ? - bis(2-pyridylmethylidene)-1,2-diiminoethane Schiff base (BPIE) on the thermodynamic properties of the ionic liquid 1-hexyl-3-methylimidazolium chloride in N , N -dimethylacetamide solvent at T = 298.15 K. *Journal of Chemical Thermodynamics*, **2015**, 81, 131-135	2.9	2
59	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. *Journal of Chemical & Engineering Data*, **2015**, 60, 1572-1583	2.8	25

58	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. *Journal of Molecular Liquids*, **2015**, 209, 138-148	6	26
57	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. *Journal of Molecular Liquids*, **2015**, 203, 198-203	6	22
56	Aqueous two-phase system of poly ethylene glycol dimethyl ether 2000 and sodium hydroxide at different temperatures: Experiment and correlation. *Fluid Phase Equilibria*, **2014**, 376, 225-233	2.5	9
55	Conductometric study of ionic liquids in the presence of N,N?-bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff base in acetonitrile solutions at 298.15 K. *Electrochimica Acta*, **2014**, 147, 360-365	6.7	4
54	Viscometric studies of interactions between ionic liquid 1-octyl-3-methyl-imidazolium bromide and polyvinyl pyrrolidone in aqueous solutions. *Journal of Chemical Thermodynamics*, **2014**, 79, 1-7	2.9	18
53	Effect of ionic liquid on the intrinsic viscosity of polyvinyl pyrrolidone in aqueous solutions. *Fluid Phase Equilibria*, **2013**, 353, 69-75	2.5	11
52	Effect of ionic liquid on the solvation behavior of nonaqueous N,N?-salicylidenephenylediamine Schiff base (Salophen) solutions at 298.15K. *Journal of Chemical Thermodynamics*, **2013**, 64, 58-64	2.9	2
51	Salting-out effect of sodium, potassium, carbonate, sulfite, tartrate and thiosulfate ions on aqueous mixtures of acetonitrile or 1-methyl-2-pyrrolidone: A liquid–liquid equilibrium study. *Fluid Phase Equilibria*, **2013**, 360, 357-366	2.5	18
50	Effect of solvent on the volumetric behavior of N,N?-salicylidenephenyl diamine (Salophen) Schiff base at different temperatures (288.15–318.15) K. *Fluid Phase Equilibria*, **2013**, 352, 22-27	2.5	4
49	Application of scaled particle theory to the partial molar volumes of some tetradentate N2O2 type Schiff bases in ionic liquid+DMF solutions. *Fluid Phase Equilibria*, **2013**, 354, 1-5	2.5	3
48	Thermodynamic investigation of the ATPSs composed of some (aliphatic alcohol+sodium carbonate+water) ternary systems. *Journal of Chemical Thermodynamics*, **2013**, 57, 541-549	2.9	14
47	Conductance behavior of ionic liquids, 1-alkyl-3-methylimidazolium bromide, in aqueous d-xylose solutions. *Electrochimica Acta*, **2012**, 67, 104-108	6.7	25
46	Thermophysical properties of ionic liquid, 1-hexyl-3-methylimidazolum bromide+N-N?bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff base+N,N-dimethylformamide solutions. *Thermochimica Acta*, **2012**, 527, 67-74	2.9	20
45	Effect of an ionic liquid on the volumetric behavior of tetradentate N2O2 type Schiff bases in DMF at T=(308.15 to 328.15)K. *Journal of Chemical Thermodynamics*, **2012**, 51, 114-119	2.9	11
44	Polyamides with pendant 1,3,4-oxadiazole and pyridine moieties. *Chinese Journal of Polymer Science (English Edition)*, **2012**, 30, 112-121	3.5	7
43	Binodal Curves and Tie-Lines of Aliphatic Alcohols + Diammonium Hydrogen Citrate + Water Ternary Systems: Measurement and Modeling. *Journal of Chemical & Engineering Data*, **2012**, 57, 1678-1688	2.8	13
42	Thermodynamic properties of d-glucose in aqueous 1-hexyl-3-methylimidazolium bromide solutions at 298.15K. *Fluid Phase Equilibria*, **2012**, 336, 122-127	2.5	24
41	Liquid–liquid Equilibria of Some Aliphatic Alcohols + Disodium Hydrogen Citrate + Water Ternary Systems at 298.15 K. *Journal of Solution Chemistry*, **2012**, 41, 1649-1663	1.8	14

40	Dehydration effect of ionic liquid, 1-pentyl-3-methylimidazolium bromide, on the aqueous d-glucose solutions: Thermodynamic study. *Journal of the Taiwan Institute of Chemical Engineers*, **2012**, 43, 650-657	5.3	17
39	Liquid–liquid equilibrium of 1-propanol, 2-propanol, 2-methyl-2-propanol or 2-butanol + sodium sulfite + water aqueous two phase systems. *Fluid Phase Equilibria*, **2012**, 329, 42-54	2.5	21
38	Density and Viscosity in Ternary d-Xylose + Ionic Liquid (1-Alkyl-3-methylimidazolium Bromide) + Water Solutions at 298.15 K. *Journal of Chemical & Engineering Data*, **2012**, 57, 3315-3320	2.8	34
37	Ion association constants of ionic liquids, 1-hexyl-3-methylimidazolium halide, in aqueous d-fructose solutions. *Electrochimica Acta*, **2012**, 80, 196-201	6.7	15
36	Liquid–liquid Equilibrium of Some Aliphatic Alcohols + Disodium Tartrate + Water Aqueous Two-Phase Systems at 298.15 K. *Journal of Chemical & Engineering Data*, **2012**, 57, 2336-2342	2.8	10
35	Thermodynamic Properties of Salophen Schiff Base + Ionic Liquid ([CnmIm][Br]) + Dimethylformamide Ternary Mixtures at 298.15 K. *Journal of Chemical & Engineering Data*, **2012**, 57, 345-351	2.8	10
34	Volumetric and Viscometric Studies of N,N?-Bis(salicylaldehyde)-1,3-diaminopropane Schiff Base (Salpr) in Ionic Liquid + DMF solutions. *Journal of Solution Chemistry*, **2012**, 41, 516-524	1.8	3
33	Thermodynamic properties of vanadyl (N,N?-salicylideneethylendiamine) Schiff base complex in ionic liquid+N,N-dimethylacetamide solutions. *Fluid Phase Equilibria*, **2012**, 314, 95-101	2.5	2
32	Structure-making tendency of ionic liquids in the aqueous d-glucose solutions. *Fluid Phase Equilibria* , **2012**, 316, 102-108	2.5	36
31	Thermodynamic study of aqueous two phase systems for some aliphatic alcohols + sodium thiosulfate + water. *Fluid Phase Equilibria*, **2012**, 321, 64-72	2.5	32
30	Volumetric and conductometric studies of some amino acids in aqueous ionic liquid, 1-hexyl-3-methylimidazolium chloride solutions at 298.15 K. *Physics and Chemistry of Liquids*, **2011**, 49, 572-587	1.5	45
29	Effect of N,N?-Bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff Base on the Thermophysical Properties of Ionic Liquids in N,N-Dimethylformamide Solutions at 298.15 K. *Journal of Chemical & Engineering Data*, **2011**, 56, 4164-4172	2.8	9
28	Effect of ionic liquid, 1-octyl-3-methylimidazolium bromide on the thermophysical properties of aqueous d-glucose solutions at 298.15K. *Fluid Phase Equilibria*, **2011**, 309, 1-7	2.5	45
27	Solution Properties of Ternary D-Glucose + 1-Ethyl-3-methylimidazolium Ethyl Sulfate + Water Solutions at 298.15 K. *Journal of Solution Chemistry*, **2011**, 40, 1582-1595	1.8	27
26	Apparent molar volumes and expansivities of aqueous solutions of ionic liquids, l-alkyl-3-methylimidazolium alkyl sulfate at T = (298.15–328.15) K. *Fluid Phase Equilibria*, **2011**, 303, 120-125	2.5	63
25	Physical Properties of Aqueous Solutions of Ionic Liquid, 1-Propyl-3-methylimidazolium Methyl Sulfate, at T = (298.15 to 328.15) K. *Journal of Chemical & Engineering Data*, **2010**, 55, 765-772	2.8	44
24	Liquid–liquid Equilibria for Aliphatic Alcohols + Dipotassium Oxalate + Water. *Journal of Chemical & Engineering Data*, **2010**, 55, 4586-4591	2.8	38
23	Densities, Viscosities, Electrical Conductances, and Refractive Indices of Amino Acid + Ionic Liquid ([BMIm]Br) + Water Mixtures at 298.15 K. *Journal of Chemical & Engineering Data*, **2010**, 55, 2517-2523	2.8	54

22	Partial Molar Volumes of N,N?-1,2-Ethyl-bis(salicyladimine) Schiff Base (Salen) in Organic Solvents at T = (283.15 to 318.15) K. *Journal of Chemical & Engineering Data*, **2010**, 55, 5927-5931	2.8	13
21	Effect of simple electrolytes on the thermodynamic properties of room temperature ionic liquids in aqueous solutions. *Fluid Phase Equilibria*, **2010**, 298, 231-239	2.5	17
20	Solute–Solvent Interactions of Amino Acids in Aqueous 1-Propyl-3-Methylimidazolium Bromide Ionic Liquid Solutions at 298.15 K. *Journal of Solution Chemistry*, **2010**, 39, 1409-1427	1.8	45
19	The salting-out effect and phase separation in aqueous solutions of tri-sodium citrate and 1-butyl-3-methylimidazolium bromide. *Journal of Chemical Thermodynamics*, **2010**, 42, 441-453	2.9	51
18	Densities and electrical conductances of amino acids+ionic liquid ([HMIm]Br)+H2O mixtures at 298.15K. *Fluid Phase Equilibria*, **2010**, 295, 68-75	2.5	36
17	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate+molecular solvents at T=(298.15–328.15)K. *Fluid Phase Equilibria*, **2010**, 291, 201-207	2.5	60
16	Measurement and modeling of osmotic coefficients of aqueous solution of ionic liquids using vapor pressure osmometry method. *Fluid Phase Equilibria*, **2009**, 279, 73-79	2.5	43
15	Thermophysical Properties of Ionic Liquid, 1-Pentyl-3-methylimidazolium Chloride in Water at Different Temperatures. *International Journal of Thermophysics*, **2009**, 30, 499-514	2.1	44
14	Volumetric and Isentropic Compressibility Behavior of Ionic Liquid, 1-Propyl-3-Methylimidazolium Bromide in Acetonitrile, Dimethylformamide, and Dimethylsulfoxide at T = (288.15 to 308.15) K. *International Journal of Thermophysics*, **2009**, 30, 1491-1509	2.1	39
13	Influence of alkyl chain on the thermodynamic properties of aqueous solutions of ionic liquids 1-alkyl-3-methylimidazolium bromide at different temperatures. *Journal of Chemical Thermodynamics*, **2009**, 41, 90-96	2.9	63
12	Effect of alkyl chain length and temperature on the thermodynamic properties of ionic liquids 1-alkyl-3-methylimidazolium bromide in aqueous and non-aqueous solutions at different temperatures. *Journal of Chemical Thermodynamics*, **2009**, 41, 273-289	2.9	109
11	Conductometric studies of aqueous ionic liquids, 1-alkyl-3-methylimidazolium halide, solutions at T=298.15–328.15K. *Fluid Phase Equilibria*, **2009**, 286, 120-126	2.5	44
10	Osmotic Coefficients and Refractive Indices of Aqueous Solutions of Ionic Liquids Containing 1-Butyl-3-methylimidazolium Halide at T = (298.15 to 328.15) K. *Journal of Chemical & Engineering Data*, **2009**, 54, 823-829	2.8	39
9	Volumetric Properties of the Ionic Liquid, 1-Butyl-3-methylimidazolium Tetrafluoroborate, in Organic Solvents at T = 298.15K. *International Journal of Thermophysics*, **2008**, 29, 534-545	2.1	34
8	Density, speed of sound, and electrical conductance of ionic liquid 1-hexyl-3-methyl-imidazolium bromide in water at different temperatures. *Journal of Chemical Thermodynamics*, **2008**, 40, 852-859	2.9	90
7	Osmotic coefficients of some imidazolium based ionic liquids in water and acetonitrile at temperature 318.15K. *Fluid Phase Equilibria*, **2007**, 254, 198-203	2.5	52
6	Density and speed of sound of lithium bromide with organic solvents: Measurement and correlation. *Journal of Chemical Thermodynamics*, **2007**, 39, 1649-1660	2.9	18
5	Volumetric and compressibility behaviour of ionic liquid, 1-n-butyl-3-methylimidazolium hexafluorophosphate and tetrabutylammonium hexafluorophosphate in organic solvents at T=298.15 K. *Journal of Chemical Thermodynamics*, **2006**, 38, 624-633	2.9	70

4	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. *Journal of Chemical Thermodynamics*, **2006**, 38, 1377-1384	2.9	130
3	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. *Journal of Chemical & Engineering Data*, **2005**, 50, 1694-1699	2.8	157
2	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. *Journal of Chemical Thermodynamics*, **2005**, 37, 1029-1035	2.9	181
1	Thermodynamic Investigation on Self-Association of Alcohols in Carbon Tetrachloride by FT-NMR Spectroscopy. *Journal of Physical Chemistry A*, **2003**, 107, 1891-1895	2.8	16