

Mohammed Taghi Zafarani-Moattar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220
papers

5,059
citations

35
h-index

58
g-index

222
ext. papers

5,532
ext. citations

3.2
avg, IF

6.42
L-index

#	Paper	IF	Citations
220	Study of the nano-encapsulated vitamin D3 in the bio-based phase change material: Synthesis and characteristics. <i>Journal of Molecular Liquids</i> , 2022 , 350, 118484	6	0
219	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. <i>Journal of Chemical & Engineering Data</i> , 2022 , 67, 113-122	2.8	
218	Thermodynamic Studies of L-Tryptophan and L-Threonine Partitioning in Aqueous Two-phase Systems Containing Deep Eutectic Solvents (Choline Chloride/PEG) and Potassium Salts. <i>Journal of Chemical & Engineering Data</i> , 2022 , 67, 1214-1227	2.8	
217	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. <i>Fluid Phase Equilibria</i> , 2021 , 555, 113348	2.5	2
216	Thermodynamic Properties of Ternary Systems Containing (LiCl and LiBr) + Propylene Carbonate + Ionic Liquid (1-Alkyl-3-methylimidazolium Thiocyanate). <i>ACS Omega</i> , 2021 , 6, 27874-27887	3.9	
215	Thermophysical Properties of Protic Ionic Liquids Monoethanolamine, Diethanolamine, and Triethanolamine Lactate in Water. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1890-1899	2.8	2
214	Selective separation of Tocopherol using eco-friendly choline chloride Based deep eutectic solvents (DESs) via liquid-liquid extraction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126317	5.1	2
213	Paracetamol in aqueous solutions of polymeric-based deep eutectic solvents; solubility, partitioning, volumetric and compressibility studies. <i>Journal of Chemical Thermodynamics</i> , 2021 , 158, 106390	2.9	3
212	Thermodynamic and computational study of paracetamol in aqueous solutions of some sustainable amino acid-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2021 , 155, 106348	2.9	3
211	Enhancement of curcumin solubility by some choline chloride-based deep eutectic solvents at different temperatures. <i>Fluid Phase Equilibria</i> , 2021 , 532, 112917	2.5	12
210	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. <i>Journal of Molecular Liquids</i> , 2021 , 323, 115072	6	3
209	Water Activity in Aqueous Solution of Sucrose in the Presence of Some Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1043-1054	2.8	2
208	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. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 1405-1418	2	1
207	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. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117073	6	1
206	Measurement and PC-SAFT modeling of the water activity for aqueous solutions of D-mannose in some deep eutectic solvents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 125, 58-68	5.3	
205	Effect of choline-based ionic liquids on thermodynamic and transport properties of aqueous diphenhydramine hydrochloric acid solutions. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116431	6	1
204	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. <i>Journal of Chemical Thermodynamics</i> , 2021 , 165, 106642	2.9	1

203	Separation and encapsulation of Persian red rose oil by eutectic compounds. <i>Microchemical Journal</i> , 2021 , 168, 106458	4.8	
202	Effect of choline chloride based deep eutectic solvents on lithium perchlorate- γ -propylene carbonate solutions: Thermodynamic, transport, electrochemical and computational study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 ,	5.3	1
201	Salting- in effect of deep eutectic solvents on the aqueous solutions of D-glucose by using isopiestic method. <i>Journal of Chemical Thermodynamics</i> , 2021 , 162, 106559	2.9	1
200	Deep eutectic solvents for antiepileptic drug phenytoin solubilization: thermodynamic study.. <i>Scientific Reports</i> , 2021 , 11, 24081	4.9	0
199	The study of extent of interactions between components of natural deep eutectic solvents in the presence of water through isopiestic investigations. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113347	6	7
198	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. <i>Fluid Phase Equilibria</i> , 2020 , 514, 112536	2.5	2
197	Effect of choline-based ionic liquids as novel green solvents on the aqueous solubility enhancement and thermodynamic properties of acetaminophen. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112504	6	6
196	Vapor-Liquid Equilibria and Computational Study for Aqueous Solutions of Novel Deep Eutectic Solvents (Amino Acid/Lactic Acid) at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 3262-3269	2.8	6
195	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
194	Experimental studies and thermodynamic modeling on vapor-liquid equilibrium of aqueous solutions containing 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid, (d+)-Galactose, (d-)-Fructose, (d+)-Lactose and sucrose at 298.15K. <i>Fluid Phase Equilibria</i> , 2020 , 506, 112375	2.5	0
193	Liquid-liquid equilibria and thermophysical properties of ternary mixtures {(benzene / thiophene)- γ -hexane}- deep eutectic solvents}. <i>Fluid Phase Equilibria</i> , 2020 , 509, 112455	2.5	14
192	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. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112397	6	6
191	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. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112324	6	3
190	Volumetric, acoustic and viscometric investigation of some choline amino acid ionic liquids in aqueous solutions of polypropylene glycol 400 and polyethylene glycol 400. <i>Journal of Chemical Thermodynamics</i> , 2020 , 142, 106019	2.9	3
189	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. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114090	6	6
188	Synthesis of nanoencapsulated vitamin E in phase change material (PCM) shell as thermo-sensitive drug delivery purpose. <i>Journal of Molecular Liquids</i> , 2020 , 320, 114429	6	6
187	How Different Electrolytes Can Influence the Aqueous Solution Behavior of 1-Ethyl-3-Methylimidazolium Chloride: A Volumetric, Viscometric, and Infrared Spectroscopy Approach. <i>Frontiers in Chemistry</i> , 2020 , 8, 593786	5	4
186	Effect of deep eutectic solvents based on choline chloride on the thermodynamic and transport properties of D-fructose in aqueous solution. <i>Fluid Phase Equilibria</i> , 2020 , 522, 112765	2.5	5

185	Effect of Some Imidazolium-Based Ionic Liquids on the Stability, Volumetric, and Transport Properties of ZnO Nanofluids. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 5369-5383	2.8	1
184	Study of deep eutectic solvents (DESs) performance on aromatics (benzene and thiophene) extraction: thermophysical study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 1695	4.1	0
183	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
182	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
181	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. <i>Fluid Phase Equilibria</i> , 2020 , 506, 112320	2.5	4
180	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. <i>Journal of Chemical Thermodynamics</i> , 2020 , 142, 105963	2.9	6
179	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
178	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. <i>Fluid Phase Equilibria</i> , 2020 , 505, 112352	2.5	
177	Thermophysical properties of choline chloride/urea deep eutectic solvent in aqueous solution at infinite dilution at T = 293.15B23.15 K. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 3603-3612	4.1	11
176	The role of water soluble polymers in the phase separation of aqueous cholinium phenylalaninate solution as a green and biocompatible ionic liquid. <i>Fluid Phase Equilibria</i> , 2019 , 485, 199-210	2.5	12
175	Liquid-Liquid Equilibria for Benzene/Thiophene + Cyclohexane/Hexadecane + Deep Eutectic Solvents: Data and Correlation. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3904-3918	2.8	12
174	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. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1806-1815	2.8	2
173	Effect of diphenhydramine-hydrochloride, guaifenesin and naproxen sodium drugs on water activity in aqueous solutions of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid at 298.15 K. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111658	6	1
172	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
171	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. <i>Journal of Molecular Liquids</i> , 2019 , 288, 111009	6	4
170	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
169	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. <i>Food Chemistry</i> , 2019 , 295, 662-670	8.5	8
168	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. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4754-4762	2.8	10

167	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
166	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. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1322-1337	2.8	8
165	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
164	Investigation of the Thermodynamic Properties in Aqueous Solutions Containing d-Fructose and Some Imidazolium-Based Ionic Liquids at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1385-1398	2.8	11
163	Solvation properties of 1-alkyl-3-methylimidazolium thiocyanate ionic liquids in the presence of lithium halide salts in N-methyl-2-pyrrolidone. <i>Journal of Molecular Liquids</i> , 2019 , 280, 191-204	6	10
162	Measurements and Correlation of Water Activity in Aqueous Solutions Containing Diphenhydramine-Hydrochloride Drug, (D+)-Galactose, (D)-Fructose, (D+)-Lactose, and Sucrose at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 5671-5680	2.8	4
161	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
160	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
159	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		
158	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. <i>Journal of Chemical Thermodynamics</i> , 2019 , 132, 9-22	2.9	10
157	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. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 124-134	2.8	8
156	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
155	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
154	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
153	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
152	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
151	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
150	Investigation of the solute-solute and solute-solvent interactions in ternary {saccharide + ionic liquid + water} systems. <i>Journal of Molecular Liquids</i> , 2018 , 256, 191-202	6	7

149	Effect of fruit and milk sugars on solute-solvent interactions of diphenhydramine-hydrochloride drug in aqueous solutions in viewpoint of volumetric and transport properties. <i>Journal of Chemical Thermodynamics</i> , 2018 , 119, 44-60	2.9	11
148	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
147	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
146	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. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 2689-2696	2.8	4
145	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
144	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. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3196-3205	2.8	5
143	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. <i>Fluid Phase Equilibria</i> , 2018 , 459, 85-93	2.5	5
142	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
141	Vapor-Liquid Equilibrium, Volumetric, and Compressibility Properties of 1-Propanol + Poly(ethylene glycol) Dimethyl Ether 250 and 500 Binary Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2018 ,	2.8	1
140	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. <i>Fluid Phase Equilibria</i> , 2017 , 436, 38-46	2.5	18
139	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. <i>Journal of Chemical Thermodynamics</i> , 2017 , 113, 20-28	2.9	7
138	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
137	Measurement and Correlation of Activity, Density, and Speed of Sound for Binary Mixtures of 1-Propanol + Poly(Propylene Glycol) 400, 725, and 1025. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4187-4195	2.8	3
136	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
135	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
134	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. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4093-4107	2.8	6
133	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. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 142-150	2.9	19
132	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

131	Phase Equilibrium of Aqueous Glycine + Choline Chloride Ionic Liquid Solutions. <i>Journal of Solution Chemistry</i> , 2016 , 45, 1842-1856	1.8	7
130	Extraction of Amino Acids with ABS. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 89-121	1.1	2
129	Measurement and modelling of water activity of aqueous poly (ethylene glycol) or poly (propylene glycol)+sodium potassium tartrate and corresponding binary salt solutions. <i>Journal of Chemical Thermodynamics</i> , 2016 , 100, 177-184	2.9	4
128	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. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 100-112	2.9	12
127	The solubility and stability of l-threonine in ionic liquids. <i>Journal of Molecular Liquids</i> , 2016 , 214, 364-3686		1
126	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
125	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
124	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 = (288.15B18.15) K. <i>Thermochimica Acta</i> , 2016 , 637, 51-68	2.9	23
123	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
122	Thermodynamic studies on the complete phase diagram of the ternary aqueous system containing polyvinylpyrrolidone 3500 and sodium sulfate at different temperatures: Experiment and correlation. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 71-80	2.9	6
121	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 298.15K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2016 , 429, 45-54	2.5	20
120	Volumetric, Ultrasonic and Viscometric Studies of Aspirin in the Presence of 1-Octyl-3-Methylimidazolium Bromide Ionic Liquid in Acetonitrile Solutions at T=(288.15B18.15) K. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016 , 230, 1773-1799	3.1	14
119	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
118	Study of thermodynamic and transport properties of aqueous system containing poly(ethylene glycol) dimethyl ether 2000 and poly(propylene glycol) 400. <i>Journal of Molecular Liquids</i> , 2015 , 207, 80-89		4
117	Volumetric Properties of Aqueous Ionic-Liquid Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1750-1755	2.8	28
116	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
115	VaporLiquid equilibrium of ternary aqueous poly (ethylene glycol)+dipotassium tartrate at solutions at different temperatures. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2015 , 51, 172-177	1.9	3
114	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. <i>Journal of Chemical Thermodynamics</i> , 2015 , 91, 435-444	2.9	7

113	Investigations of the interactions in aqueous poly (vinyl pyrrolidone)+di-sodium hydrogen citrate solutions using vapor-liquid equilibria studies at different temperatures. <i>Journal of Molecular Liquids</i> , 2015 , 211, 767-775	6	7
112	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. <i>Journal of Molecular Liquids</i> , 2015 , 212, 930-940	6	8
111	Salting-out behaviour of 1-butyl-3-methylimidazolium bromide, [C4mim][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
110	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
109	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
108	Investigation of 1-(2-carboxyethyl)-3-methylimidazolium chloride [HOOCMIM][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
107	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
106	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
105	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
104	Applicability of different equations in modeling the thermodynamic and transport properties of aqueous and non-aqueous ionic liquid solutions. <i>Fluid Phase Equilibria</i> , 2015 , 386, 82-95	2.5	2
103	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
102	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
101	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
100	Effect of 1-carboxymethyl-3-methylimidazolium chloride ionic liquid on thermodynamic and solubility of l-threonine in water at 298.15K and atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2014 , 379, 86-95	2.5	8
99	Vapor-Liquid Equilibria, Density, Speed of Sound, and Viscosity for the Poly(ethylene glycol) 400 + 1-Propanol and 1-Butanol Systems. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 4070-4080	2.8	2
98	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
97	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
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95	The effect of temperature on the liquid-liquid equilibria of some aliphatic alcohols + di-sodium hydrogen citrate + water systems: Experimental and correlation. <i>Fluid Phase Equilibria</i> , 2013 , 353, 50-60	2.5	9
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93	The study of phase behavior of aqueous 1-propanol/2-propanol/2-butanol/2-methyl-2-propanol systems in the presence of disodium tartrate or disodium succinate at T = 298.15 K. <i>Fluid Phase Equilibria</i> , 2013 , 338, 37-45	2.5	7
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91	Liquid-liquid Equilibrium Data of the Ternary Systems Containing 1-Propanol/2-Propanol + Dipotassium Tartrate/Potassium Sodium Tartrate + Water at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1223-1228	2.8	8
90	Stability, rheological, magnetorheological and volumetric characterizations of polymer based magnetic nanofluids. <i>Colloid and Polymer Science</i> , 2013 , 291, 1977-1987	2.4	25
89	(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
88	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
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85	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> , 2012 , 54, 192-203	2.9	19
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41	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
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35	Measurement and Correlation of Densities, Ultrasonic Velocities, and Compressibilities for Binary Aqueous Poly(ethylene glycol), Disodium Succinate, or Sodium Formate and Ternary Aqueous Poly(ethylene glycol) Systems Containing Disodium Succinate or Sodium Formate at T = (298.15, 308.15, and 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 603-607	2.8	8
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33	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
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24	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

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1	Phase Diagrams of Aliphatic Alcohols + Magnesium Sulfate + Water. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 1241-1243	2.8	46