Rahmat Sadeghi

List of Publications by Citations

146 papers	3,040 citations	30 h-index	45 g-index
148 ext. papers	3,370 ext. citations	3.2 avg, IF	5.93 L-index

#	Paper	IF	Citations
146	Liquid–liquid equilibria of aqueous two-phase systems containing polyethylene glycol and sodium dihydrogen phosphate or disodium hydrogen phosphate. *Fluid Phase Equilibria*, **2001**, 181, 95-112	2.5	112
145	Liquid–liquid equilibria of an aqueous two-phase system containing polyethylene glycol and sodium citrate: experiment and correlation. *Fluid Phase Equilibria*, **2004**, 219, 149-155	2.5	110
144	Salting-in and salting-out of water-soluble polymers in aqueous salt solutions. *Journal of Physical Chemistry B*, **2012**, 116, 5234-41	3.4	109
143	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
142	Measurement and correlation of liquid–liquid equilibria of the aqueous two-phase system polyvinylpyrrolidone–sodium dihydrogen phosphate. *Fluid Phase Equilibria*, **2002**, 203, 177-191	2.5	104
141	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
140	Thermodynamics of aqueous solutions of polyvinylpyrrolidone. *Journal of Chemical Thermodynamics*, **2004**, 36, 665-670	2.9	81
139	Thermodynamics of the ternary systems: (water + glycine, l-alanine and l-serine + di-ammonium hydrogen citrate) from volumetric, compressibility, and (vapour + liquid) equilibria measurements. *Journal of Chemical Thermodynamics*, **2011**, 43, 200-215	2.9	67
138	Apparent Molar Volume and Isentropic Compressibility of Trisodium Citrate in Water and in Aqueous Solutions of Polyvinylpyrrolidone at T = (283.15 to 308.15) K. *Journal of Chemical & Engineering Data*, **2007**, 52, 1037-1044	2.8	56
137	Vapor–Liquid Equilibria of Aqueous Polymer Solutions from Vapor-Pressure Osmometry and Isopiestic Measurements. *Journal of Chemical & Engineering Data*, **2011**, 56, 789-799	2.8	51
136	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
135	Ionic association and solvation of the ionic liquid 1-hexyl-3-methylimidazolium chloride in molecular solvents revealed by vapor pressure osmometry, conductometry, volumetry, and acoustic measurements. *Journal of Physical Chemistry B*, **2011**, 115, 13227-40	3.4	49
134	Toward an understanding of the salting-out effects in aqueous ionic liquid solutions: vapor-liquid equilibria, liquid-liquid equilibria, volumetric, compressibility, and conductivity behavior. *Journal of Physical Chemistry B*, **2010**, 114, 16528-41	3.4	48
133	The salting-out effect and phase separation in aqueous solutions of sodium phosphate salts and poly(propylene glycol). *Fluid Phase Equilibria*, **2009**, 280, 68-75	2.5	47
132	Volumetric, Compressibility, and Viscometric Measurements of Binary Mixtures of Poly(vinylpyrrolidone) + Water, + Methanol, + Ethanol, + Acetonitrile, + 1-Propanol, + 2-Propanol, and + 1-Butanol. *Journal of Chemical & Engineering Data*, **2011**, 56, 240-250	2.8	44
131	A modified segment-based nonrandom two-liquid model for the calculation of vapor–liquid equilibrium of aqueous polymer–salt solutions. *Chemical Engineering Science*, **2006**, 61, 7786-7794	4.4	43
130	Apparent molar volumes and isentropic compressibilities of transfer of l-alanine from water to aqueous potassium di-hydrogen citrate and tri-potassium citrate at T =(283.15 to 308.15) K. *Journal of Molecular Liquids*, **2008**, 141, 62-68	6	41

129	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
128	Effect of temperature on the phase equilibrium of aqueous two-phase systems containing polyvinylpyrrolidone and disodium hydrogen phosphate or trisodium phosphate. *Fluid Phase Equilibria*, **2005**, 238, 129-135	2.5	39
127	Liquid–liquid Equilibria for Aliphatic Alcohols + Dipotassium Oxalate + Water. *Journal of Chemical & Engineering Data*, **2010**, 55, 4586-4591	2.8	38
126	Isopiestic investigations of the interactions of water-soluble polymers with imidazolium-based ionic liquids in aqueous solutions. *Journal of Physical Chemistry B*, **2013**, 117, 7710-7	3.4	37
125	Volumetric and ultrasonic studies of the system (water+polypropylene glycol 400) at temperatures from (283.15 to 313.15) K. *Journal of Chemical Thermodynamics*, **2004**, 36, 871-875	2.9	36
124	Thermodynamic representation of phase equilibrium behavior of aqueous solutions of amino acids by the modified Wilson model. *Fluid Phase Equilibria*, **2007**, 260, 266-274	2.5	35
123	Extension of the Wilson model to multicomponent polymer solutions: applications to polymer–polymer aqueous two-phase systems. *Journal of Chemical Thermodynamics*, **2005**, 37, 55-60	2.9	35
122	Phase Diagram Data for Several PPG + Salt Aqueous Biphasic Systems at 25 °C. *Journal of Chemical & Engineering Data*, **2005**, 50, 947-950	2.8	34
121	Effect of sodium phosphate salts on the thermodynamic properties of aqueous solutions of poly(ethylene oxide) 6000 at different temperatures. *Journal of Chemical Thermodynamics*, **2008**, 40, 1364-1377	2.9	33
120	Measurement and correlation of phase equilibria for several PVP+salt aqueous two-phase systems at 303.15K. *Fluid Phase Equilibria*, **2005**, 237, 40-47	2.5	32
119	Phase equilibrium in aqueous two-phase systems containing poly(vinylpyrrolidone) and sodium citrate at different temperatures—Experimental and modeling. *Thermochimica Acta*, **2006**, 451, 163-167	2.9	31
118	A comparison study between sodium dodecyl sulfate and sodium dodecyl sulfonate with respect to the thermodynamic properties, micellization, and interaction with poly(ethylene glycol) in aqueous solutions. *Journal of Chemical Thermodynamics*, **2011**, 43, 1361-1370	2.9	30
117	Vapor–liquid equilibria of binary tri-potassium citrate+water and ternary polypropylene oxide 400+tri-potassium citrate+water systems from isopiestic measurements over a range of temperatures. *Fluid Phase Equilibria*, **2007**, 255, 46-54	2.5	30
116	A modified Wilson model for the calculation of vapour+liquid equilibrium of aqueous polymer+salt solutions. *Journal of Chemical Thermodynamics*, **2005**, 37, 323-329	2.9	30
115	Water activities of ternary mixtures of poly(ethylene glycol), NaCl and water over the temperature range of 293.15K to 313.15K. *Journal of Chemical Thermodynamics*, **2006**, 38, 1335-1343	2.9	29
114	Thermodynamics of Phase Equilibria of Aqueous Poly(ethylene glycol) + Sodium Tungstate Two-Phase Systems. *Journal of Chemical & Engineering Data*, **2010**, 55, 74-79	2.8	28
113	Aqueous two-phase systems of poly(vinylpyrrolidone) and potassium citrate at different temperatures—Experimental results and modeling of liquid–liquid equilibrium data. *Fluid Phase Equilibria*, **2006**, 246, 89-95	2.5	28
112	Phase Behavior of Aqueous Two-Phase PEG + NaOH System at Different Temperatures. *Journal of Chemical & Engineering Data*, **2004**, 49, 297-300	2.8	28

111	Investigation of amino acid-polymer aqueous biphasic systems. *Journal of Physical Chemistry B*, **2014**, 118, 10285-96	3.4	27
110	Salt-effects in aqueous surface-active ionic liquid 1-dodecyl-3-methylimidazolium bromide solutions: Volumetric and compressibility property changes and critical aggregation concentration shifts. *Journal of Chemical Thermodynamics*, **2014**, 76, 29-44	2.9	27
109	Volumetric Properties of Potassium Dihydrogen Citrate and Tripotassium Citrate in Water and in Aqueous Solutions of Alanine at T = (283.15 to 308.15) K. *Journal of Chemical & Engineering Data*, **2008**, 53, 26-35	2.8	27
108	Thermodynamic properties of aqueous polypropylene oxide 400 solutions from isopiestic measurements over a range of temperatures. *Fluid Phase Equilibria*, **2006**, 249, 165-172	2.5	27
107	Partitioning of l-methionine in aqueous two-phase systems containing poly(propylene glycol) and sodium phosphate salts. *Journal of Chemical Thermodynamics*, **2011**, 43, 1525-1529	2.9	26
106	Volumetric, isentropic compressibility and electrical conductivity of solutions of tri-sodium phosphate in 1-propanol + water mixed-solvent media over the temperature range of 283.15–303.15 K. *Fluid Phase Equilibria*, **2008**, 265, 173-183	2.5	26
105	New local composition model for electrolyte solutions. *Fluid Phase Equilibria*, **2005**, 231, 53-60	2.5	26
104	Extension of the NRTL and NRF models to multicomponent polymer solutions: Applications to polymer–polymer aqueous two-phase systems. *Fluid Phase Equilibria*, **2005**, 231, 77-83	2.5	26
103	Effect of temperature on the salting-out effect and phase separation in aqueous solutions of sodium di-hydrogen phosphate and poly(propylene glycol). *Fluid Phase Equilibria*, **2008**, 271, 13-18	2.5	25
102	Volumetric and ultrasonic study of mixtures of 2-phenylethanol with 1-butanol, 2-butanol, and 2-methyl-1-butanol at T = (298.15–323.15) K and atmospheric pressure: Measurement and prediction. *Journal of Molecular Liquids*, **2013**, 180, 121-128	6	24
101	Effect of Potassium Citrate Salts on the Transport Behavior of l-Alanine in Aqueous Solutions at T = (293.15 to 308.15) K. *Journal of Chemical & Engineering Data*, **2009**, 54, 791-794	2.8	24
100	Osmotic properties of carbohydrate aqueous solutions. *Fluid Phase Equilibria*, **2016**, 417, 171-180	2.5	24
99	Evaluation of the Capability of Ionic Liquid-Amino Acid Aqueous Systems for the Formation of Aqueous Biphasic Systems and Their Applications in Extraction. *Journal of Physical Chemistry B*, **2017**, 121, 2650-2664	3.4	23
98	Micellization properties and related thermodynamic parameters of aqueous sodium dodecyl sulfate and sodium dodecyl sulfonate solutions in the presence of 1-propanol. *Fluid Phase Equilibria* , **2014**, 377, 1-8	2.5	23
97	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. *Journal of Chemical Thermodynamics*, **2006**, 38, 257-263	2.9	23
96	Toward an understanding of aqueous biphasic formation in polymer–polymer aqueous systems. *Polymer*, **2016**, 83, 1-11	3.9	22
95	Effect of polar organic solvents on the surface adsorption and micelle formation of surface active ionic liquid 1-dodecyl-3-methylimidazolium bromide in aqueous solutions and comparison with the traditional cationic surfactant dodecyltrimethylammonium bromide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 462, 271-279	5.1	22
94	Thermodynamic Properties of Tripotassium Citrate in Water and in Aqueous Solutions of Polypropylene Oxide 400 over a Range of Temperatures. *Journal of Chemical & Engineering Data*, **2007**, 52, 1753-1759	2.8	22

93	A modified nonrandom factor model for the calculation of solvent activities in polymer solution. *Fluid Phase Equilibria*, **2002**, 202, 413-422	2.5	22
92	Investigation of carbohydrates as non-charged, non-toxic and renewable soluting-out agent for polymer based aqueous biphasic systems implementation. *Polymer*, **2016**, 98, 365-377	3.9	21
91	Segment-based Eyring–Wilson viscosity model for polymer solutions. *Journal of Chemical Thermodynamics*, **2005**, 37, 445-448	2.9	21
90	Influence of Sodium Salts on the Micellization and Interfacial Behavior of Cationic Surfactant Dodecyltrimethylammonium Bromide in Aqueous Solution. *Journal of Chemical & Engineering Data*, **2015**, 60, 983-992	2.8	20
89	Density, Speed of Sound, and Viscosity of Some Binary and Ternary Aqueous Polymer Solutions at Different Temperatures. *Journal of Chemical & Engineering Data*, **2015**, 60, 3132-3147	2.8	20
88	High stable sandwich-type polyoxometallates based on A-□SiW9O3410-. Synthesis, chemical properties and characterization of [(A-□SiW9O34)2(MOH2)3CO3]13□(M = Y3+ and Yb3+). *Polyhedron*, **2008**, 27, 1855-1859	2.7	19
87	Volumetric and isentropic compressibility behaviour of aqueous solutions of (polyvinylpyrrolidone + sodium citrate) at T = (283.15 to 308.15) K. *Journal of Chemical Thermodynamics*, **2007**, 39, 1118-1124	2.9	18
86	Thermodynamics investigation of phase behavior of deep eutectic solvents-polymer aqueous biphasic systems. *Polymer*, **2018**, 143, 115-128	3.9	17
85	Effect of temperature on the aggregation behaviour and thermodynamic properties of surface active ionic liquid 1-decyl-3-methylimidazolium bromide in aqueous solutions: Surface tension, vapour pressure osmometery, conductivity, volumetric and compressibility study. *Journal of Chemical Thermodynamics*, **2016**, 102, 68-78	2.9	17
84	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
83	Volumetric and compressibility behaviour of poly(propylene glycol) + Amino acid aqueous solutions at different temperatures. *Journal of Chemical Thermodynamics*, **2015**, 90, 129-139	2.9	16
82	Thermodynamic studies of the ionic liquid 1-hexyl-3-methylimidazolium chloride [C6mim][Cl] in polyethylene glycol aqueous solutions. *Journal of Chemical Thermodynamics*, **2012**, 47, 48-55	2.9	16
81	Thermodynamics of aqueous solutions of poly ethylene glycol di-methyl ethers in the presence or absence of ammonium phosphate salts. *Fluid Phase Equilibria*, **2011**, 306, 219-228	2.5	16
80	(Liquid+liquid) equilibria for ternary mixtures of (polyvinylpyrrolidone+MgSO4+water) at different temperatures. *Journal of Chemical Thermodynamics*, **2006**, 38, 1479-1483	2.9	16
79	Vapor–liquid equilibrium in aqueous systems containing poly(vinylpyrrolidone) and sodium citrate at different temperatures: Experimental and modeling. *Fluid Phase Equilibria*, **2006**, 249, 33-41	2.5	16
78	Evaluation of the effect of ionic-liquids as soluting-out agents on the solubility of carbohydrates in aqueous solutions. *Fluid Phase Equilibria*, **2018**, 459, 73-84	2.5	16
77	Apparent molar volume, isentropic compressibility and conductivity of di-sodium hydrogen phosphate in water and in aqueous solutions of 1-propanol. *Fluid Phase Equilibria*, **2007**, 260, 335-342	2.5	15
76	Vapour pressure osmometry determination of water activity of binary and ternary aqueous (polymer+polymer) solutions. *Journal of Chemical Thermodynamics*, **2015**, 84, 41-49	2.9	14

75	Volumetric and viscosity studies of interactions between sodium phosphate salts and poly(propylene glycol) 400 in aqueous solutions at different temperatures. *Fluid Phase Equilibria*, **2009**, 284, 86-98	2.5	14
74	Extension of the electrolyte NRTL and Wilson models for correlation of viscosity of strong electrolyte solutions at different temperatures. *Fluid Phase Equilibria*, **2007**, 259, 157-164	2.5	14
73	Measurement of water activities of alanine+tri-potassium citrate+water system at temperatures between 293.15 and 313K Experimental and modeling. *Fluid Phase Equilibria*, **2008**, 267, 61-69	2.5	14
72	Vapor Liquid Equilibria, Density, and Speed of Sound of Aqueous Solutions of Sodium Dihydrogen Citrate or Disodium Hydrogen Citrate. *Journal of Chemical & Engineering Data*, **2010**, 55, 5874-5882	2.8	13
71	Vapor Pressure Osmometry Determination of Solvent Activities of Different Aqueous and Nonaqueous Polymer Solutions at 318.15 K. *Journal of Chemical & Engineering Data*, **2011**, 56, 2946-2954	2.8	13
70	Effect of potassium citrate salts on the vapor-liquid equilibrium properties of aqueous solutions of alanine at different temperatures. *Biophysical Chemistry*, **2008**, 135, 116-24	3.5	13
69	New local composition model for polymer solutions. *Polymer*, **2005**, 46, 11517-11526	3.9	13
68	Synthesis and characterization of silver nanoparticles in aqueous solutions of surface active imidazolium-based ionic liquids and traditional surfactants SDS and DTAB. *Journal of Molecular Liquids*, **2019**, 273, 645-652	6	13
67	Propanol - Sugar aqueous biphasic systems as a suitable platform for biomolecules extraction. *Journal of Chromatography A*, **2018**, 1581-1582, 156-167	4.5	13
66	Surface and Micellar Properties of Ionic Liquid 1-Dodecyl-3-methylimidazolium Bromide in Aqueous Solution in the Absence and Presence of a Series of Organic Electrolytes. *Journal of Chemical & Engineering Data*, **2015**, 60, 1063-1071	2.8	12
65	Vapor Pressure of Acetonitrile + Polymer Binary Systems at 298.15 K. *Journal of Chemical & Engineering Data*, **2006**, 51, 2265-2269	2.8	12
64	Soluting effect of amino acids on 1-decyl-3-methylimidazolium bromide and 1-dodecyl-3-methylimidazolium bromide as cationic surfactants and sodium dodecyl sulfate as anionic surfactant in aqueous solutions. *Journal of Molecular Liquids*, **2019**, 275, 616-628	6	12
63	Novel ninhydrin-based deep eutectic solvents for amino acid detection. *Journal of Molecular Liquids* , **2020**, 303, 112644	6	11
62	Effects of addition of short-chain alcohol solvents on micellization and thermodynamic properties of anionic surfactants sodium dodecyl sulfate and sodium dodecyl sulfonate in aqueous solutions. *Journal of the Iranian Chemical Society*, **2018**, 15, 1365-1375	2	11
61	Extension of the segment-based Wilson and NRTL models for correlation of excess molar enthalpies of polymer solutions. *Journal of Chemical Thermodynamics*, **2005**, 37, 1013-1018	2.9	11
60	Salting-in and salting-out effects of organic and inorganic ammonium salts on the aqueous polymer solutions. *Journal of Chemical Thermodynamics*, **2018**, 123, 86-98	2.9	10
59	Study of salt effects on the aggregation behavior of ionic liquid 1-dodecyl-3-methylimidazolium bromide in aqueous solution. *Journal of Molecular Liquids*, **2014**, 197, 176-183	6	10
58	Vapor Pressure Osmometry Determination of the Osmotic and Activity Coefficients of Dilute Aqueous Solutions of Symmetrical Tetraalkyl Ammonium Halides at 308.15 K. *Journal of Chemical & Engineering Data*, **2014**, 59, 76-81	2.8	10

57	Vapor pressure osmometry, volumetry and conductometry investigations on the interaction of sodium dodecyl sulfate with poly(ethylene glycol) and poly(propylene glycol) in aqueous solutions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 436, 260-269	5.1	10
56	Aqueous biphasic formation, volumetric and compressibility behaviour in tetrabutylammonium bromide-inorganic salts aqueous systems. *Journal of Chemical Thermodynamics*, **2013**, 67, 120-127	2.9	10
55	Modification of the NRTL and Wilson models for the representation of phase equilibrium behavior of aqueous amino acid–electrolyte solutions. *Canadian Journal of Chemistry*, **2008**, 86, 1126-1137	0.9	10
54	Water activities of ternary mixtures of PPG425 + K2CO3 + H2O and PPG425 + Na2CO3 + H2O at 298.15 K: Experiments and correlation. *Fluid Phase Equilibria*, **2007**, 252, 47-52	2.5	10
53	Measurement and correlation of vapor–liquid equilibria of the poly(vinylpyrrolidone)+NaH2PO4+H2O system at different temperatures. *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, **2006**, 30, 53-60	1.9	10
52	Soluting-in and soluting-out of water-soluble polymers in aqueous carbohydrate solutions studied by vapor pressure osmometry. *Journal of Molecular Liquids*, **2017**, 229, 405-416	6	9
51	Representation of vapor–liquid equilibria of aqueous polymer–salt solutions by a new modified segment-based Wilson model. *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, **2007**, 31, 164-172	1.9	9
50	Volumetric and Acoustic Properties of Aqueous Carbohydrate–Polymer Solutions. *Journal of Chemical & Engineering Data*, **2016**, 61, 3144-3156	2.8	8
49	Isopiestic Determination of Water Activity in the Poly(vinylpyrrolidone) + NaCl + H2O System at Different Temperatures. *Journal of Chemical & Engineering Data*, **2005**, 50, 508-511	2.8	8
48	Modification of the nonrandom factor (NRF) model for correlation of the viscosity of polymer solutions. *Fluid Phase Equilibria*, **2005**, 232, 70-73	2.5	8
47	Vapor–liquid equilibria of the polyvinylpyrrolidone+(NH4)2SO4+H2O system at different temperatures. *Fluid Phase Equilibria*, **2005**, 233, 176-183	2.5	8
46	Salting-out effect in polypropylene glycol-amino acid aqueous solutions revealed by vapor pressure osmometry. *Fluid Phase Equilibria*, **2016**, 425, 237-243	2.5	7
45	Vapor–liquid Equilibria, Density, Speed of Sound, and Refractive Index of Sodium Tungstate in Water and in Aqueous Solutions of Poly(ethyleneglycol) 6000. *Journal of Chemical & Engineering Data*, **2010**, 55, 125-133	2.8	7
44	Thermodynamic properties of surfactant sodium n-heptyl sulfonate in water and in aqueous solutions of poly(ethylene glycol) at different temperatures. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 348, 177-185	5.1	7
43	Vapor pressure osmometry determination of vapor-liquid equilibria behavior of aqueous imidazolium-based ionic liquid + amino acid systems. *Fluid Phase Equilibria*, **2017**, 447, 125-131	2.5	6
42	Evaluation of the effect of carbohydrates as renewable, none-charged and non-toxic soluting-out agents on the ionic-liquid-based ABS implementation. *Journal of Molecular Liquids*, **2018**, 255, 476-491	6	6
41	Differential scanning calorimetry determination of phase diagrams and water activities of aqueous carboxylic acid solutions. *Thermochimica Acta*, **2018**, 663, 46-52	2.9	6
40	Soluting-out effect of carbohydrates on the surface active ionic liquid 1-decyl-3-methylimidazolium bromide in aqueous solutions. *Journal of Chemical Thermodynamics*, **2018**, 116, 289-298	2.9	6

39	Thermodynamic investigation of the systems poly(ethylene glycol) + sodium pentane-1-sulfonate + water and poly(vinyl pyrrolidone) + sodium pentane-1-sulfonate + water. *Journal of Colloid and Interface Science*, **2010**, 346, 107-17	9.3	6
38	Effect of Aqueous Solution of Tri-potassium Citrate on the Volumetric Behavior of Poly(propylene glycol) 400 at T = (288.15 to 313.15) K. *Journal of Chemical & Engineering Data*, **2007**, 52, 1268-1272	2.8	6
37	Thermodynamic properties of solutions of sodium di-hydrogen phosphate in (1-propanol+water) mixed-solvent media over the temperature range of (283.15 to 303.15)K. *Journal of Chemical Thermodynamics*, **2008**, 40, 1012-1021	2.9	6
36	Simultaneous correlation of mean ionic activity coefficient and osmotic coefficient of electrolyte solutions by a new local composition model. *Fluid Phase Equilibria*, **2006**, 243, 92-100	2.5	6
35	Chemical composition and thermal properties of Pistacia atlantica subsp. Kurdica gum. *Applied Biological Chemistry*, **2019**, 62,	2.9	5
34	Extractions of Alkaloids Codeine and Caffeine with [Bmim][BF4]/Carbohydrate Aqueous Biphasic Systems as a Novel Class of Liquid–liquid Extraction Systems. *Journal of Chemical & Engineering Data*, **2019**, 64, 916-925	2.8	5
33	(Vapour+liquid) equilibria, volumetric and compressibility behaviour of binary and ternary aqueous solutions of 1-hexyl-3-methylimidazolium chloride, methyl potassium malonate, and ethyl potassium malonate. *Journal of Chemical Thermodynamics*, **2012**, 47, 347-357	2.9	5
32	Density Modeling of Polymer Solutions with Extended Segment-Based Local Composition Nonrandom Two-Liquid (NRTL), Wilson, and Nonrandom Factor (NRF) Models. *Industrial & Engineering Chemistry Research*, **2006**, 45, 2156-2162	3.9	5
31	A combined molecular dynamic simulation and experimental study of thermo-physical properties of the new synthesized amino acid-based ionic liquids. *Journal of Molecular Liquids*, **2019**, 277, 290-301	6	5
30	Thermodynamic study of the soluting effect in aqueous ionic liquid - monosaccharide solutions by the vapor pressure osmometry. *Journal of Molecular Liquids*, **2017**, 248, 205-213	6	4
29	The Chemical Thermodynamic Models for Calculating the Solvent Activity Coefficient of Semidiluted Aqueous and Nonaqueous Polymer Solutions in Vapor–Liquid Equilibrium. *Journal of Chemical & Engineering Data*, **2015**, 60, 2701-2708	2.8	4
28	Novel Deep Eutectic Solvents Based on Pyrogallol: Synthesis and Characterizations. *Journal of Chemical & Engineering Data*, **2021**, 66, 2088-2095	2.8	4
27	Can isopiestic method predict the formation of deep eutectic solvents?. *Journal of Molecular Liquids* , **2021**, 333, 115865	6	4
26	ABS Composed of Ionic Liquids and Polymers. *Green Chemistry and Sustainable Technology*, **2016**, 61-88	1.1	4
25	Differential scanning calorimetry determination of Solid–liquid equilibria phase diagrams for binary monocarboxylic acids solutions. *Fluid Phase Equilibria*, **2019**, 486, 1-10	2.5	4
24	The capability of tetra alkyl ammonium bromides for aqueous biphasic systems formation with both polymers and electrolytes in aqueous solutions. *Fluid Phase Equilibria*, **2018**, 465, 34-47	2.5	3
23	Vapor Pressure Osmometry, Volumetry, and Compressibility Properties for Solutions of Several Imidazolium Based Ionic Liquids in (Glycine + Water) Solutions. *Journal of Chemical & Engineering Data*, **2017**, 62, 4073-4082	2.8	3
22	Thermodynamic and aggregation properties of sodium n-hexylsulfonate in aqueous solution. *Fluid Phase Equilibria*, **2014**, 363, 106-116	2.5	3

21	Conductivity, apparent molar volume and isentropic compressibility of 12-tungstosilicic acid and potassium 12-tungstosilicate in aqueous solutions at different temperatures. *Fluid Phase Equilibria*, **2009**, 277, 87-95	2.5	3
20	Thermodynamic properties of anionic surfactant/polymer/water systems with respect to polymer-surfactant interactions and salting-effect of surfactant on polymer in aqueous solutions. *Fluid Phase Equilibria*, **2016**, 425, 411-420	2.5	3
19	Phase equilibria, volumetric and compressibility properties of (tetra-n-butylammonium bromide + trisodium citrate) system at temperatures (298.15 K to 318.15 K) and atmospheric pressure. *Fluid Phase Equilibria*, **2016**, 417, 158-165	2.5	3
18	Thermodynamics of clouding process in 1-butanol + water mixtures in the presence and absence of sugars. *Journal of Molecular Liquids*, **2019**, 278, 164-174	6	3
17	Vapor Pressure Osmometry Studies of Aqueous Ionic Liquid–Carbohydrate Systems. *Journal of Chemical & Engineering Data*, **2018**, 63, 331-340	2.8	2
16	Thermodynamic investigations of fullerene-polyglycerol nanostructure in aqueous solutions. *Fluid Phase Equilibria*, **2017**, 450, 57-64	2.5	2
15	Velocity-Curve Analysis of the Spectroscopic Binary Stars V373 Cas, V2388 Oph, V401 Cyg, GM Dra, V523 Cas, AB And and HD 141929 by Artificial Neural Networks. *Publications of the Astronomical Society of Australia*, **2009**, 26, 121-127	5.5	2
14	Vapor-liquid equilibrium properties of sodium n-heptyl sulfonate in Water and in aqueous solutions of poly(ethylene glycol) at different temperatures. *Journal of the Iranian Chemical Society*, **2010**, 7, 621-629	2	2
13	Soluting Effect in Ternary Aqueous Solutions of Ionic Liquids by Isopiestic Equilibrium Studies and Applying the Linear Isopiestic Relations for Estimating Their Speed of Sound, Density, and Surface Tension Data. *Journal of Chemical & Engineering Data*, **2020**, 65, 4435-4442	2.8	2
12	Soluting Effects of Various Additives on the Clouding Behavior of Poly(propylene glycol) 1000 in Aqueous Media. *Journal of Chemical & Engineering Data*, **2020**, 65, 2798-2804	2.8	1
11	Velocity curve analysis of the spectroscopic binary stars V2082 Cyg, V918 Her, BW Dra, V2357 Oph, YZ Cas and V380 Cygni by the Artificial Neural Networks. *New Astronomy*, **2009**, 14, 478-482	1.8	1
10	Isopiestic Studies on Mixed Ionic Liquid Aqueous Solutions at 298.15 K. *Journal of Chemical & Engineering Data*, **2021**, 66, 1376-1384	2.8	1
9	A theoretical study for isopiestic equilibrium mixtures of ionic liquid 1 + ionic liquid 2 + water systems. *Journal of Molecular Liquids*, **2021**, 328, 115280	6	1
8	Molecular interactions in ternary mixtures tetra-n-butylammonium bromide–inorganic salts–water according to ultrasonic data at T = 293.15–318.15 K. *Russian Journal of Physical Chemistry A*, **2016**, 90, 2517-2531	0.7	1
7	Hydrophobic deep eutectic solvents: thermo-physical characteristics and their application in liquid–liquid extraction. *Journal of the Iranian Chemical Society*,1	2	1
6	Physicochemical Properties of Deep Eutectic Solvents: A Review. *Journal of Molecular Liquids*, **2022**, 119524	6	1
5	Volumetric and isentropic compressibility behaviour of ionic liquid, tetrapropylammonium bromide in some inorganic salts aqueous systems at T = (293.15 to 318.15) K. *Physics and Chemistry of Liquids* , **2021**, 59, 549-563	1.5	0
4	Carbohydrate-based aqueous biphasic systems for biomolecules extraction. *Separation and Purification Technology*, **2021**, 277, 119460	8.3	0

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