

Mohammed Taghi Zafarani-Moattar

List of Publications by Year in descending order

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221
papers

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times ranked

2398
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#	ARTICLE	IF	CITATIONS
1	Apparent molar volume and isentropic compressibility of ionic liquid 1-butyl-3-methylimidazolium bromide in water, methanol, and ethanol at T=(298.15 to 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 1029-1035.	1.0	212
2	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.	1.0	168
3	Viscosity, Density, Speed of Sound, and Refractive Index of Binary Mixtures of Organic Solvent + Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 2359-2364.	1.0	163
4	Phase Diagrams for the Aqueous Two-Phase Ternary System Containing the Ionic Liquid 1-Butyl-3-methylimidazolium Bromide and Tri-potassium Citrate at $T = (278.15, 298.15, \text{ and } 318.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 833-841.	1.0	147
5	Application of Prigogine-Flory-Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 1377-1384.	1.0	141
6	Liquid-liquid equilibria of aqueous two-phase systems containing polyethylene glycol and sodium dihydrogen phosphate or disodium hydrogen phosphate. <i>Fluid Phase Equilibria</i> , 2001, 181, 95-112.	1.4	116
7	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.	1.4	115
8	Measurement and correlation of liquid-liquid equilibria of the aqueous two-phase system polyvinylpyrrolidone-sodium dihydrogen phosphate. <i>Fluid Phase Equilibria</i> , 2002, 203, 177-191.	1.4	112
9	Effect of tri-potassium phosphate on volumetric, acoustic, and transport behaviour of aqueous solutions of 1-ethyl-3-methylimidazolium bromide at T=(298.15 to 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1213-1221.	1.0	111
10	Effect of pH on the phase separation in the ternary aqueous system containing the hydrophilic ionic liquid 1-butyl-3-methylimidazolium bromide and the kosmotropic salt potassium citrate at T=298.15K. <i>Fluid Phase Equilibria</i> , 2011, 304, 110-120.	1.4	111
11	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.	2.3	110
12	Liquid-Liquid Equilibria of Aqueous Two-Phase Systems Containing 1-Butyl-3-methylimidazolium Bromide and Potassium Phosphate or Dipotassium Hydrogen Phosphate at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1686-1692.	1.0	102
13	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.	2.3	99
14	Liquid-liquid equilibria of aqueous two-phase systems containing polyethylene glycol and sodium succinate or sodium formate. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2005, 29, 1-6.	0.7	96
15	Thermodynamics of aqueous solutions of polyvinylpyrrolidone. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 665-670.	1.0	92
16	Salting-Out Effect, Preferential Exclusion, and Phase Separation in Aqueous Solutions of Chaotropic Water-Miscible Ionic Liquids and Kosmotropic Salts: Effects of Temperature, Anions, and Cations. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1598-1610.	1.0	92
17	Partitioning of amino acids in the aqueous biphasic system containing the water-miscible ionic liquid 1-butyl-3-methylimidazolium bromide and the water-structuring salt potassium citrate. <i>Biotechnology Progress</i> , 2011, 27, 986-997.	1.3	87
18	A new aqueous biphasic system containing polypropylene glycol and a water-miscible ionic liquid. <i>Biotechnology Progress</i> , 2012, 28, 146-156.	1.3	79

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19	Liquid-Liquid Equilibria of Aqueous Two-Phase Poly(ethylene glycol)-Potassium Citrate System. Journal of Chemical & Engineering Data, 2003, 48, 262-265.	1.0	78
20	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.	1.0	74
21	Phase diagrams for liquid-liquid equilibrium of ternary poly(ethylene glycol)+di-sodium tartrate aqueous system and vapor-liquid equilibrium of constituting binary aqueous systems at T=(298.15, 318.15) K. Journal of Chemical Thermodynamics, 2007, 39, 107-114.	0.784314	67
22	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.	1.4	61
23	Osmotic coefficients of some imidazolium based ionic liquids in water and acetonitrile at temperature 318.15K. Fluid Phase Equilibria, 2007, 254, 198-203.	1.4	57
24	Effect of Temperature on the Phase Equilibrium of the Aqueous Two-Phase Poly(propylene glycol) + Tripotassium Citrate System. Journal of Chemical & Engineering Data, 2008, 53, 456-461.	1.0	57
25	Vapor-Liquid Equilibria, Density, Speed of Sound, and Viscosity for the System Poly(ethylene glycol) 400 + Ethanol at Different Temperatures. Journal of Chemical & Engineering Data, 2008, 53, 785-793.	1.0	55
26	Liquid-liquid equilibria of aqueous two-phase systems containing polyethylene glycol 4000 and di-potassium tartrate, potassium sodium tartrate, or di-potassium oxalate: Experiment and correlation. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 655-660.	0.7	52
27	Phase Diagrams of Aliphatic Alcohols + Magnesium Sulfate + Water. Journal of Chemical & Engineering Data, 1997, 42, 1241-1243.	1.0	49
28	Effect of temperature on volumetric and transport properties of nanofluids containing ZnO nanoparticles poly(ethylene glycol) and water. Journal of Chemical Thermodynamics, 2012, 54, 55-67.	1.0	45
29	Liquid-liquid equilibria of aqueous two-phase systems containing polyvinylpyrrolidone and tripotassium phosphate or dipotassium hydrogen phosphate: Experiment and correlation. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2007, 31, 553-559.	0.7	44
30	Title is missing!. Journal of Solution Chemistry, 1998, 27, 663-673.	0.6	43
31	Study of liquid-liquid and liquid-solid equilibria of the ternary aqueous system containing poly ethylene glycol dimethyl ether 2000 and tri-potassium phosphate at different temperatures: Experiment and correlation. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2010, 34, 478-486.	0.7	42
32	Solubility and solvation behavior of some drugs in choline based deep eutectic solvents at different temperatures. Journal of Molecular Liquids, 2020, 297, 111799.	2.3	42
33	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.	1.4	41
34	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. Journal of Molecular Liquids, 2015, 202, 79-85.	2.3	39
35	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.	1.9	39
36	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.	2.3	39

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37	Measurement and correlation of osmotic coefficients and evaluation of vapor pressures for solutions of CaCl ₂ and Ca(NO ₃) ₂ in ethanol at 298 K. <i>Fluid Phase Equilibria</i> , 2000, 172, 221-235.	1.4	38
38	Volumetric and ultrasonic studies of the system (water+polypropylene glycol 400) at temperatures from (283.15 to 313.15) K. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 871-875.	1.0	38
39	Density, Speed of Sound, and Viscosity of Binary Mixtures of Poly(propylene glycol) 400 + Ethanol and + 2-Propanol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2211-2216.	1.0	38
40	Measurement and correlation of phase equilibria in aqueous two-phase systems containing polyvinylpyrrolidone and di-potassium tartrate or di-potassium oxalate at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 864-871.	1.0	38
41	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.	2.3	38
42	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.	2.3	38
43	Volumetric Properties of the Ionic Liquid, 1-Butyl-3-methylimidazolium Tetrafluoroborate, in Organic Solvents at T=298.15K. <i>International Journal of Thermophysics</i> , 2008, 29, 534-545.	1.0	36
44	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.	0.6	36
45	Thermodynamics of magnesium sulfate-polypropylene glycol aqueous two-phase system. Experiment and correlation. <i>Fluid Phase Equilibria</i> , 1998, 152, 57-65.	1.4	35
46	Isopiestic determination of osmotic coefficients and evaluation of vapor pressures for electrolyte solutions of some lithium salts in ethanol. <i>Fluid Phase Equilibria</i> , 1999, 166, 207-223.	1.4	35
47	Liquid-liquid equilibria of aqueous two-phase systems containing polyethylene glycol and ammonium dihydrogen phosphate or diammonium hydrogen phosphate. Experiment and correlation. <i>Fluid Phase Equilibria</i> , 2002, 198, 281-291.	1.4	35
48	Phase Diagram Data for Several PPG + Salt Aqueous Biphasic Systems at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 947-950.	1.0	35
49	Vapor-Liquid Equilibria, Density, and Speed of Sound for the System Poly(ethylene glycol) 400 + Methanol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1769-1774.	1.0	35
50	Density, Viscosity, Speed of Sound, and Refractive Index of a Ternary Solution of Aspirin, 1-Butyl-3-methylimidazolium Bromide, and Acetonitrile at Different Temperatures $T = (288.15 \text{ to } T_j) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1769-1774.	1.0	35
51	Volumetric Properties of Aqueous Ionic-Liquid Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1750-1755.	1.0	34
52	Measurement and Correlation of Density for PEG + H ₂ O + NaHSO ₄ , NaH ₂ PO ₄ , and Na ₂ HPO ₄ at Three Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 386-390.	1.0	33
53	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.	2.3	33
54	Osmotic Coefficient of Methanol + LiCl, + LiBr, and + LiCH ₃ COO at 25 °C. <i>Journal of Chemical & Engineering Data</i> , 1998, 43, 215-219.	1.0	32

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55	Phase Behavior of Aqueous Two-Phase PEG + NaOH System at Different Temperatures. Journal of Chemical & Engineering Data, 2004, 49, 297-300.	1.0	32
56	Effect of Temperature on the Aqueous Two-Phase System Containing Poly(ethylene glycol) Dimethyl Ether 2000 and Dipotassium Oxalate. Journal of Chemical & Engineering Data, 2012, 57, 532-540.	1.0	32
57	Phase Diagrams of Some Aliphatic Alcohols + Potassium or Sodium Citrate + Water at 25 °C. Journal of Chemical & Engineering Data, 2005, 50, 1409-1413.	1.0	31
58	Study of thermodynamic properties of l-serine in aqueous 1-carboxymethyl-3-methylimidazolium chloride solutions at 298.15K. Fluid Phase Equilibria, 2014, 363, 32-40.	1.4	30
59	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.	1.0	30
60	Effect of KCl on the volumetric and transport properties of aqueous tri-potassium citrate solutions at different temperatures. Journal of Chemical Thermodynamics, 2011, 43, 552-561.	1.0	29
61	Thermodynamic evaluation of imidazolium based ionic liquids with thiocyanate anion as effective solvent to thiophene extraction. Journal of Molecular Liquids, 2016, 219, 975-984.	2.3	29
62	Liquid~Liquid and Liquid~Liquid~Solid Equilibrium of the Poly(ethylene glycol) Dimethyl Ether 2000 + Sodium Sulfate + Water System. Journal of Chemical & Engineering Data, 2008, 53, 2666-2670.	1.0	28
63	(Liquid+liquid) and (liquid+solid) equilibrium of aqueous two-phase systems containing poly ethylene glycol di-methyl ether 2000 and di-sodium hydrogen phosphate. Journal of Chemical Thermodynamics, 2010, 42, 1071-1078.	1.0	28
64	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.	2.6	28
65	Study of the liquid~liquid equilibrium of 1-propanol+manganese sulphate and 2-propanol+lithium sulphate aqueous two-phase systems at different temperatures: Experiment and correlation. Fluid Phase Equilibria, 2012, 313, 107-113.	1.4	27
66	Stability, rheological, magnetorheological and volumetric characterizations of polymer based magnetic nanofluids. Colloid and Polymer Science, 2013, 291, 1977-1987.	1.0	27
67	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.	2.3	27
68	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. Thermochemica Acta, 2016, 637, 51-68.	1.2	27
69	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.	1.4	26
70	Measurement and modeling of densities and sound velocities of the systems {poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Chemical Thermodynamics, 2006, 38, 257-263.	1.0	26
71	Viscosity Modeling and Prediction of Aqueous Mixed Electrolyte Solutions. Industrial & Engineering Chemistry Research, 2009, 48, 5833-5844.	1.8	26
72	The study of vapor~liquid equilibria of 1-ethyl-3-methyl imidazolium chloride and 1-butyl-3-methyl imidazolium chloride in lithium bromide aqueous solutions and their corresponding binary systems at 298.15K. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2013, 40, 16-23.	0.7	26

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73	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.	1.0	26
74	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.	1.0	26
75	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. Journal of Chemical Thermodynamics. 2012, 54, 192-203.	1.0	25
76	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.	1.4	25
77	Title is missing!. Journal of Solution Chemistry, 2001, 30, 351-363.	0.6	24
78	Isopiestic Determination of 2-Propanol Activity in 2-Propanol + Poly(ethylene glycol) Solutions at 25 °C. Journal of Chemical & Engineering Data, 2002, 47, 72-75.	1.0	24
79	Osmotic and Activity Coefficient of 1-Ethyl-3-methylimidazolium Bromide in Aqueous Solutions of Potassium Dihydrogen Phosphate, Dipotassium Hydrogen Phosphate, and Tripotassium Phosphate at $T = 298.15$ K. Journal of Chemical & Engineering Data, 2010, 55, 5182-5190.	1.0	24
80	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.	1.4	24
81	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.	2.3	24
82	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.	1.0	24
83	Isopiestic determination of osmotic coefficients and evaluation of vapor pressures for solutions of calcium chloride and calcium nitrate in methanol at 298.15 K. Fluid Phase Equilibria, 2002, 200, 173-185.	1.4	23
84	A modified nonrandom factor model for the calculation of solvent activities in polymer solution. Fluid Phase Equilibria, 2002, 202, 413-422.	1.4	23
85	Isopiestic and Volumetric Study of CuCl_2 + Ethanol at 25 °C. Journal of Chemical & Engineering Data, 2003, 48, 308-313.	1.0	23
86	Enhancement of curcumin solubility by some choline chloride-based deep eutectic solvents at different temperatures. Fluid Phase Equilibria, 2021, 532, 112917.	1.4	23
87	Determination of Solvent Activity in Poly(vinylpyrrolidone) + Methanol, + Ethanol, + 2-Propanol, + and 1-Butanol Solutions at 25 °C. Journal of Chemical & Engineering Data, 2004, 49, 1475-1478.	1.0	22
88	Measurement and correlation of density and viscosity of polyvinylpyrrolidone solutions in alcohols at different temperatures. Journal of Chemical Thermodynamics, 2008, 40, 1569-1574.	1.0	22
89	Phase separation in aqueous solutions of polypropylene glycol and sodium citrate: Effects of temperature and pH. Fluid Phase Equilibria, 2015, 385, 37-47.	1.4	22
90	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.	1.4	22

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91	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.	1.0	22
92	Phase Diagrams of Some Aliphatic Alcohols + Ammonium Dihydrogen Phosphate or Diammonium Hydrogen Phosphate + Water. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 525-528.	1.0	21
93	Density and speed of sound of lithium bromide with organic solvents: Measurement and correlation. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1649-1660.	1.0	21
94	Osmotic and activity coefficient of 1-ethyl-3-methylimidazolium chloride in aqueous solutions of tri-potassium phosphate, potassium carbonate, and potassium chloride at. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011, 35, 331-341.	0.7	21
95	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.	1.0	21
96	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.	2.3	21
97	Study of interactions between l-alanine and 1-octyl-3-methylimidazolium salicylate or 1-octyl-3-methylimidazolium ibuprofenate using the thermophysical properties at $T = 298.15 \text{ K}$. <i>Journal of Molecular Liquids</i> , 2019, 278, 105-114.	2.3	20
98	Liquid-liquid equilibria and thermophysical properties of ternary mixtures {(benzene / thiophene) + hexane + deep eutectic solvents}. <i>Fluid Phase Equilibria</i> , 2020, 509, 112455.	1.4	20
99	Determination of Solvent Activity in Poly(propylene glycol) + Methanol, + Ethanol, + 2-Propanol, and + 1-Butanol Solutions at $25 \text{ }^\circ\text{C}$. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 1524-1528.	1.0	19
100	Vapor pressures and apparent molal volumes of the solutions of ZnCl_2 in ethanol at 298.15 K . <i>Fluid Phase Equilibria</i> , 2005, 230, 64-71.	1.4	19
101	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.	1.0	19
102	Salting-out behaviour of 1-butyl-3-methylimidazolium bromide, $[\text{C}_4\text{mim}][\text{Br}]$, ionic liquid on aqueous l-serine solutions at $T = 298.15 \text{ K}$. <i>Journal of Chemical Thermodynamics</i> , 2015, 83, 43-51.	1.0	19
103	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.	1.0	19
104	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.	1.5	19
105	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.	1.0	19
106	Refractive Index, Viscosity, Density, and Speed of Sound of Aqueous Sodium Tartrate Solutions at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1190-1193.	1.0	18
107	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.	1.0	18
108	Phase Diagrams for Liquid-Liquid and Liquid-Solid Equilibrium of the Ternary Poly(ethylene glycol) Dimethyl Ether 2000 + Sodium Carbonate + Water System. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 2918-2922.	1.0	18

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109	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.	1.4	18
110	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.	1.0	18
111	Measurement and Correlation of Phase Equilibria for Poly(ethylene glycol) Methacrylate + Alcohol Systems at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 283-287.	1.0	17
112	Effect of Temperature and Concentration of KBr or KNO ₃ on the Volumetric and Transport Properties of Aqueous Solutions of Tripotassium Citrate. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2818-2829.	1.0	17
113	Effect of temperature on volumetric and transport properties of ternary poly ethylene glycol di-methyl ether 2000+poly ethylene glycol 400+water and the corresponding binary aqueous solutions: Measurement and correlation. <i>Fluid Phase Equilibria</i> , 2013, 343, 43-57.	1.4	17
114	Phase diagrams for (liquid+liquid) and (liquid+solid) equilibrium of aqueous two-phase system containing {polyvinylpyrrolidone 3500 (PVP3500)+sodium sulfite (Na ₂ SO ₃)+water} at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2014, 72, 125-133.	1.0	17
115	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.	2.3	17
116	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.	1.4	17
117	New Excess Gibbs Energy Equation for Modeling the Thermodynamic and Transport Properties of Polymer Solutions and Nanofluids at Different Temperatures. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 8245-8262.	1.8	16
118	(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.	1.0	16
119	Phase diagrams for liquid-liquid and liquid-solid equilibrium of the ternary polyethylene glycol+di-sodium hydrogen citrate+water system. <i>Fluid Phase Equilibria</i> , 2013, 337, 224-233.	1.4	16
120	Stability and rheological properties of nanofluids containing ZnO nanoparticles, poly(propylene) Tj ETQqO 0 0 rgBT /Qverlock 10 Tf 50 30	1.4	16
121	Investigation of 1-(2-carboxyethyl)-3-methylimidazolium chloride [HOOCEMIM] [Cl] ionic liquid effect on water activity and solubility of l-serine at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2015, 80, 49-58.	1.0	16
122	Volumetric, Ultrasonic and Viscometric Studies of Aspirin in the Presence of 1-Octyl-3-Methylimidazolium Bromide Ionic Liquid in Acetonitrile Solutions at $T = (288.15 \text{--} 318.15)$ K. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1773-1799.	1.4	16
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