

Ramesh L Gardas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 80-88.	1.9	381
2	Mutual Solubilities of Water and Hydrophobic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13082-13089.	2.6	374
3	Mutual Solubilities of Water and the [C _n mim] ⁺ [Tf ₂ N] ⁻ Hydrophobic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1604-1610.	2.6	325
4	ρ Measurements of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 1881-1888.	1.9	277
5	Group contribution methods for the prediction of thermophysical and transport properties of ionic liquids. <i>AIChE Journal</i> , 2009, 55, 1274-1290.	3.6	274
6	Extension of the Ye and Shreeve group contribution method for density estimation of ionic liquids in a wide range of temperatures and pressures. <i>Fluid Phase Equilibria</i> , 2008, 263, 26-32.	2.5	268
7	A group contribution method for viscosity estimation of ionic liquids. <i>Fluid Phase Equilibria</i> , 2008, 266, 195-201.	2.5	242
8	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 805-811.	1.9	233
9	A Group Contribution Method for Heat Capacity Estimation of Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 5751-5757.	3.7	152
10	Applying a QSPR correlation to the prediction of surface tensions of ionic liquids. <i>Fluid Phase Equilibria</i> , 2008, 265, 57-65.	2.5	148
11	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1914-1921.	1.9	130
12	Thermodynamic Studies of Ionic Interactions in Aqueous Solutions of Imidazolium-Based Ionic Liquids [Emim] ⁺ [Br] ⁻ and [Bmim] ⁺ [Cl] ⁻ . <i>Journal of Physical Chemistry B</i> , 2008, 112, 3380-3389.	2.6	127
13	Thermophysical Properties of Amino Acid-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1505-1515.	1.9	118
14	Solubility of Water in Tetradecyltrihexylphosphonium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2378-2382.	1.9	114
15	Thermophysical properties of ammonium and hydroxylammonium protic ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 72, 117-124.	2.0	89
16	Acoustic and volumetric properties of aqueous solutions of imidazolium based ionic liquids at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 695-701.	2.0	85
17	Physicochemical properties of low viscous lactam based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 255-262.	2.0	83
18	Non-ideal behaviour of a room temperature ionic liquid in an alkoxyethanol or poly ethers at T=(298.15 to 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 32-39.	2.0	82

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19	Revisiting the Physicochemical Properties and Applications of Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 1368.	3.8	77
20	Alkyltrioctylphosphonium chloride ionic liquids: synthesis and physicochemical properties. <i>Dalton Transactions</i> , 2011, 40, 12750.	3.3	76
21	Estimation of speed of sound of ionic liquids using surface tensions and densities: A volume based approach. <i>Fluid Phase Equilibria</i> , 2008, 267, 188-192.	2.5	71
22	Effect of Alkyl Ammonium Ionic Liquids on the Interfacial Tension of the Crude Oil-Water System and Their Use for the Enhanced Oil Recovery Using Ionic Liquid-Polymer Flooding. <i>Energy & Fuels</i> , 2016, 30, 2514-2523.	5.1	71
23	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. <i>Dalton Transactions</i> , 2012, 41, 8316.	3.3	65
24	Use of Aromatic Ionic Liquids in the Reduction of Surface Phenomena of Crude Oil-Water System and their Synergism with Brine. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 968-978.	3.7	64
25	Solvation behaviour and partial molar properties of monosaccharides in aqueous protic ionic liquid solutions. <i>Journal of Chemical Thermodynamics</i> , 2014, 71, 37-49.	2.0	63
26	Interfacial tensions of imidazolium-based ionic liquids with water and n-alkanes. <i>Fluid Phase Equilibria</i> , 2010, 294, 139-147.	2.5	59
27	Effect of protic ionic liquid on the volumetric properties and taste behaviour of sucrose. <i>Food Chemistry</i> , 2015, 169, 478-483.	8.2	59
28	Acoustic, volumetric, transport, optical and rheological properties of Benzyltripropylammonium based Deep Eutectic Solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 41-49.	2.5	58
29	Acoustic and volumetric properties of betaine hydrochloride drug in aqueous d(+)-glucose and sucrose solutions. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 123-130.	2.0	57
30	Effect of Ethylene, Diethylene, and Triethylene Glycols and Glycerol on the Physicochemical Properties and Phase Behavior of Benzyltrimethyl and Benzyltributylammonium Chloride Based Deep Eutectic Solvents at 283.15-343.15 K. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2613-2627.	1.9	57
31	Volumetric, acoustic and transport properties of binary mixtures of benzyltrimethylammonium based ionic liquids with N,N-dimethylformamide at temperature from 293.15 to 328.15K. <i>Journal of Molecular Liquids</i> , 2014, 199, 330-338.	4.9	55
32	Measurement and correlation for the thermophysical properties of novel pyrrolidonium ionic liquids: Effect of temperature and alkyl chain length on anion. <i>Fluid Phase Equilibria</i> , 2015, 386, 65-74.	2.5	55
33	Adsorption of aliphatic ionic liquids at low waxy crude oil-water interfaces and the effect of brine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 62-75.	4.7	54
34	Influence of Cation Size on the Ionicity, Fluidity, and Physicochemical Properties of 1,2,4-Triazolium Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4834-4842.	2.6	51
35	Volumetric properties of amino acids in aqueous solutions of ammonium based protic ionic liquids. <i>Fluid Phase Equilibria</i> , 2015, 385, 258-274.	2.5	49
36	An improved model for the phase equilibrium of methane hydrate inhibition in the presence of ionic liquids. <i>Fluid Phase Equilibria</i> , 2014, 382, 187-196.	2.5	48

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37	Synergistic effect of lactam, ammonium and hydroxyl ammonium based ionic liquids with and without NaCl on the surface phenomena of crude oil/water system. <i>Fluid Phase Equilibria</i> , 2015, 398, 80-97.	2.5	48
38	Ecotoxicological risk profile of ionic liquids: octanol-water distribution coefficients and toxicological data. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 957-963.	3.2	47
39	An efficient model for the prediction of CO ₂ hydrate phase stability conditions in the presence of inhibitors and their mixtures. <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 163-170.	2.0	44
40	Measurements and Correlation of High-Pressure Densities of Phosphonium Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2205-2217.	1.9	41
41	Protic ionic liquid-assisted cell disruption and lipid extraction from fresh water <i>Chlorella</i> and <i>Chlorococcum</i> microalgae. <i>Algal Research</i> , 2017, 25, 228-236.	4.6	41
42	PVT Property Measurements for Some Aliphatic Esters from (298 to 393) K and up to 35 MPa. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 737-751.	1.9	40
43	Mono- and di- cationic ionic liquids based aqueous biphasic systems for the extraction of diclofenac sodium. <i>Separation and Purification Technology</i> , 2020, 234, 116048.	7.9	39
44	Anti-proliferative 1,4-dihydropyridine and Pyridine Derivatives Synthesized through a Catalyst-free, One-pot Multi-component Reaction. <i>ChemistrySelect</i> , 2018, 3, 12163-12168.	1.5	38
45	Apparent molar properties of benzyldimethylammonium based protic ionic liquids in water and ethanol at different temperatures. <i>Fluid Phase Equilibria</i> , 2015, 385, 92-104.	2.5	37
46	A robust model for the phase stability of clathrate hydrate of methane in an aqueous systems of TBAB, TBAB+NaCl and THF suitable for storage and transportation of natural gas. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 509-517.	4.4	37
47	Experimental Investigation on the Effect of Aliphatic Ionic Liquids on the Solubility of Heavy Crude Oil Using UV-Visible, Fourier Transform-Infrared, and ¹³ C NMR Spectroscopy. <i>Energy & Fuels</i> , 2014, 28, 6151-6162.	5.1	34
48	Aggregation behaviour of biocompatible choline carboxylate ionic liquids and their interactions with biomolecules through experimental and theoretical investigations. <i>New Journal of Chemistry</i> , 2018, 42, 7105-7118.	2.8	34
49	Volumetric properties of betaine hydrochloride drug in aqueous NaCl and KCl solutions at different temperatures. <i>Thermochimica Acta</i> , 2014, 597, 71-77.	2.7	33
50	Influence of temperature and alkyl chain length on physicochemical properties of trihexyl- and trioctylammonium based protic ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2019, 133, 170-180.	2.0	31
51	Eco-efficient and green method for the enhanced dissolution of aromatic crude oil sludge using ionic liquids. <i>RSC Advances</i> , 2014, 4, 31007-31018.	3.6	30
52	PVT Property Measurements for Ethyl Propionate, Ethyl Butyrate, and Ethyl Pentanoate Esters from (298 to 393) K and up to 35 MPa. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 256-262.	1.9	29
53	FT-IR study of excess thermodynamic properties of binary liquid mixtures of p-xylene with 1-alkanols at 303.15K. <i>Journal of Molecular Liquids</i> , 2015, 207, 171-176.	4.9	29
54	Effect of anion chain length on physicochemical properties of N,N-dimethylethanolammonium based protic ionic liquids. <i>Fluid Phase Equilibria</i> , 2016, 415, 1-7.	2.5	29

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55	Enhanced partitioning of tryptophan in aqueous biphasic systems formed by benzyltrialkylammonium based ionic liquids: Evaluation of thermophysical and phase behavior. <i>Journal of Molecular Liquids</i> , 2017, 247, 207-214.	4.9	29
56	Structural Dependence of Protic Ionic Liquids on Surface, Optical, and Transport Properties. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1868-1877.	1.9	28
57	Divergent trend in density versus viscosity of ionic liquid/water mixtures: a molecular view from guanidinium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25037-25048.	2.8	28
58	Apparent molar volume and isentropic compressibilities of antidepressant drugs (Citalopram HBr and Tj ETQq0 0 0,rgBT /Overlock 10 T	4.9	28
59	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K. <i>Fluid Phase Equilibria</i> , 2014, 383, 32-42.	2.5	27
60	Apparent molar properties of hydroxyethyl ammonium based ionic liquids with water and ethanol at various temperatures. <i>Journal of Molecular Liquids</i> , 2015, 212, 444-450.	4.9	27
61	Thermodynamic modeling of phase equilibrium of carbon dioxide clathrate hydrate in aqueous solutions of promoters and inhibitors suitable for gas separation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 709-722.	1.5	26
62	Synthesis and thermophysical properties of pyrrolidonium based ionic liquids and their binary mixtures with water and DMSO at T = (293.15 to 333.15) K. <i>Journal of Molecular Liquids</i> , 2016, 224, 882-892.	4.9	25
63	One-Pot Assembly for Synthesis of 1,4-Dihydropyridine Scaffold and Their Biological Applications. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 1495-1505.	2.6	25
64	Effect of temperature on apparent molar properties of DBU based protic ionic liquid in aqueous and ethanolic solutions. <i>Journal of Molecular Liquids</i> , 2017, 231, 213-219.	4.9	24
65	Substantial Enhancement of Heavy Crude Oil Dissolution in Low Waxy Crude Oil in the Presence of Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7999-8009.	3.7	23
66	Selection and characterization of non-ideal ionic liquids mixtures to be used in CO ₂ capture. <i>Fluid Phase Equilibria</i> , 2020, 518, 112621.	2.5	23
67	Volumetric properties of 1-butyl-3-methylimidazolium bromide in aqueous solutions of d(α̂)-ribose and d(α̂)-arabinose at different temperatures. <i>Journal of Molecular Liquids</i> , 2015, 209, 352-357.	4.9	22
68	Volumetric and Acoustic Properties of a DBU (1,8-Diazobicyclo[5.4.0]undec-7-ene) Based Protic Ionic Liquid in Water at T = (293.15 to 328.15) K. <i>Journal of Solution Chemistry</i> , 2015, 44, 634-651.	1.2	22
69	Effect of temperature on solvation behaviour of diclofenac sodium salt in aqueous glycine and l-proline solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 82, 125-133.	2.0	22
70	Synthesis, spectroscopic characterization and acoustic, volumetric, transport and thermal properties of hydroxyl ammonium based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016, 92, 175-181.	2.0	22
71	Effect of DBU (1,8-Diazobicyclo[5.4.0]undec-7-ene) Based Protic Ionic Liquid on the Volumetric and Ultrasonic Properties of Ascorbic Acid in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 2237-2245.	3.7	21
72	Elucidation of molecular interactions between a DBU based protic ionic liquid and organic solvents: thermophysical and computational studies. <i>RSC Advances</i> , 2016, 6, 623-631.	3.6	21

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73	Thermophysical properties of trioctylalkylammonium bis(salicylato)borate ionic liquids: Effect of alkyl chain length. <i>Journal of Molecular Liquids</i> , 2018, 269, 540-546.	4.9	21
74	Volumetric and ultrasonic properties of ternary (sucrose + water + protic ionic liquid) solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 60-68.	2.0	20
75	Development of a QSPR correlation for the parachor of 1,3-dialkyl imidazolium based ionic liquids. <i>Fluid Phase Equilibria</i> , 2009, 283, 31-37.	2.5	19
76	Apparent molar properties of aqueous protic ionic liquid solutions at T = (293.15 to 328.15) K. <i>Ionics</i> , 2015, 21, 1959-1965.	2.4	19
77	How water manifests the structural regimes in ionic liquids. <i>Soft Matter</i> , 2017, 13, 2348-2361.	2.7	19
78	Environmentally benign tetramethylguanidinium cation based ionic liquids. <i>New Journal of Chemistry</i> , 2017, 41, 12268-12277.	2.8	19
79	Synthesis and in vitro study of antiproliferative benzyloxy dihydropyrimidinones. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000466.	4.1	19
80	Measurement and correlation for the thermophysical properties of hydroxyethyl ammonium based protic ionic liquids: Effect of temperature and alkyl chain length on anion. <i>Fluid Phase Equilibria</i> , 2016, 427, 282-290.	2.5	18
81	Composition and Temperature Dependence of Excess Properties of Binary Mixtures of Imidazolium Based Ionic Liquids: II ([C _n mim][PF ₆]) + Propylamine. <i>Journal of Solution Chemistry</i> , 2015, 44, 718-741.	1.2	17
82	Thermophysical Properties and Carbon Dioxide Absorption Studies of Guanidinium-Based Carboxylate Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4844-4855.	1.9	17
83	Pyridine Appended Poly(Alkyl Ether) Based Ionogels for Naked Eye Detection of Cyanide Ions: A Metal-Free Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8327-8337.	6.7	17
84	Understanding the solvation behavior of pyrrolidinium based ionic liquids in acetonitrile through thermophysical properties at 293.15 to 328.15 K. <i>Journal of Molecular Liquids</i> , 2018, 256, 22-28.	4.9	16
85	Molecular interactions of choline based ionic liquids with water at different temperatures: An experimental study. <i>Journal of Molecular Liquids</i> , 2018, 259, 124-133.	4.9	16
86	Influence of N-1 alkyl substituent on apparent molar properties of 1,2,4-triazolium based ionic liquids in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2018, 250, 477-484.	4.9	16
87	Insights into the structural changes of bovine serum albumin in ethanolammonium laurate based surface active ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 290, 111229.	4.9	16
88	Insights Into the Extraction of Am(III) by Aliquat-336 Based Ionic Liquids. <i>Separation Science and Technology</i> , 2014, 49, 2338-2345.	2.5	15
89	Evaluation of anion chain length impact on aqueous two phase systems formed by carboxylate anion functionalized ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2018, 120, 88-96.	2.0	15
90	Temperature dependent apparent molar properties of trihexylammonium carboxylate based protic ionic liquids in toluene and dodecane. <i>Journal of Molecular Liquids</i> , 2018, 272, 1058-1069.	4.9	15

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91	Aqueous biphasic systems of amino acid-based ionic liquids: Evaluation of phase behavior and extraction capability for caffeine. <i>Fluid Phase Equilibria</i> , 2020, 506, 112373.	2.5	15
92	Ionic liquid-based aqueous biphasic systems as sustainable extraction and separation techniques. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 27, 100423.	5.9	15
93	Thermophysical and spectroscopic study of pure N-methylcyclohexylammonium based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 251-258.	2.0	14
94	Spectroscopic investigations to understand the enhanced dissolution of heavy crude oil in the presence of lactam, alkyl ammonium and hydroxyl ammonium based ionic liquids. <i>Journal of Molecular Liquids</i> , 2016, 221, 323-332.	4.9	14
95	Understanding ion-ion and ion-solvent interactions in aqueous solutions of NMP based protic ionic liquids through partial molar properties and DFT calculations. <i>Fluid Phase Equilibria</i> , 2017, 445, 35-44.	2.5	14
96	Application of carboxylate protic ionic liquids in simultaneous microalgal pretreatment and lipid recovery from marine <i>Nannochloropsis</i> sp. and <i>Chlorella</i> sp.. <i>Biomass and Bioenergy</i> , 2019, 123, 14-24.	5.7	14
97	Solvation behavior of monosaccharides in aqueous protic ionic liquid solutions: Volumetric, calorimetric and NMR spectroscopic studies. <i>Fluid Phase Equilibria</i> , 2016, 421, 24-32.	2.5	13
98	The structural effect on volumetric and acoustic properties of aqueous anti-HIV drugs (Emtricitabine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.9	13
99	Measurement and Correlation for Acoustic, Transport, Refractive, and High-Temperature Volumetric Data of Substituted Benzylamines. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1189-1197.	1.9	13
100	Exploration of the solvation behaviour of ascorbic acid in aqueous solutions of 1,2,4-triazolium based ionic liquid. <i>Journal of Molecular Liquids</i> , 2017, 244, 55-64.	4.9	13
101	Evaluating the solute-solvent interactions of glycine in aqueous solution of choline based ionic liquids through volumetric properties at T = (293.15 to 313.15 K). <i>Journal of Molecular Liquids</i> , 2019, 289, 111087.	4.9	13
102	Molecular-Level Insights into the Microstructure of a Hydrated and Nanoconfined Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3359-3371.	2.6	13
103	Insights into the Partitioning of DNA in Aqueous Biphasic System Containing Ammonium-based Ionic Liquid and Phosphate Buffer. <i>Fluid Phase Equilibria</i> , 2022, 558, 113463.	2.5	13
104	Nature friendly Application of Ionic Liquids for Dissolution Enhancement of Heavy Crude Oil. , 2015, , .		12
105	Effect of protic ionic liquid on the volumetric properties of ribose in aqueous solutions. <i>Thermochimica Acta</i> , 2015, 610, 69-77.	2.7	12
106	Effect of anion on thermophysical properties of N , N -diethanolammonium based protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2017, 242, 249-254.	4.9	12
107	Systematic photophysical, thermal and electrochemical analysis of a series of phenothiazine cored conjugated aromatic unit appended Dâ€™â€™A based high-solid state luminescent materials: their applications in reversible mechanofluorochromic and volatile acid sensing. <i>Materials Advances</i> , 2022, 3, 2871-2883.	5.4	12
108	Structural and compositional effect on the acoustic and volumetric properties of ammonium based ionic liquids with water and N-methyl-2-pyrrolidone. <i>Journal of Molecular Liquids</i> , 2016, 219, 829-844.	4.9	11

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109	Zwitterions as novel phase forming components of aqueous biphasic systems. <i>Pure and Applied Chemistry</i> , 2019, 91, 1279-1294.	1.9	11
110	Thermodynamics and micellization behavior of ethanolammonium carboxylate surface active ionic liquids in aqueous media. <i>Journal of Molecular Liquids</i> , 2020, 299, 112116.	4.9	10
111	Ionic liquids as alternative solvents for energy conservation and environmental engineering. <i>Acta Innovations</i> , 2021, , 62-79.	1.0	10
112	Development of a robust soft-SAFT model for protic ionic liquids using new high-pressure density data. <i>Fluid Phase Equilibria</i> , 2021, 539, 113036.	2.5	10
113	Ionic liquid-nanoparticle based hybrid systems for energy conversion and energy storage applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 133, 104237.	5.3	10
114	The constitutive behavior of ammonium ionic liquids: a physicochemical approach. <i>RSC Advances</i> , 2015, 5, 46881-46889.	3.6	9
115	Volumetric Properties of Disaccharides in Aqueous Solutions of Benzyltrimethylammonium Acetate as a Function of Temperature. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1764-1775.	1.9	9
116	Implicit and explicit solvent models to understand the d(+)-glucose solvation in aqueous protic ionic liquid solution: Volumetric and computational approach. <i>Journal of Chemical Thermodynamics</i> , 2016, 103, 7-16.	2.0	9
117	Better Than the Best Polar Solvent: Tuning the Polarity of 1,2,4-Triazolium-Based Ionic Liquids. <i>ChemistrySelect</i> , 2017, 2, 3943-3947.	1.5	9
118	Influence of Alkyl Substituent on Optical Properties of Carboxylate-Based Protic Ionic Liquids. <i>ChemistrySelect</i> , 2017, 2, 10091-10096.	1.5	9
119	Physicochemical investigations of amino acid ionic liquid based inclusion complex probed by spectral and molecular docking techniques. <i>Journal of Molecular Liquids</i> , 2019, 291, 111255.	4.9	9
120	Apparent molar properties of trioctylmethylammonium based ionic liquids in toluene and dodecane at T _A =(293.15 to 328.15)K. <i>Journal of Molecular Liquids</i> , 2020, 299, 112186.	4.9	9
121	Effect of temperature, nature of anion and alkyl chain length on the volumetric and acoustic properties of ionic liquid [C4C1im][MeSO ₄] with alkyl nitriles. <i>Journal of Molecular Liquids</i> , 2020, 302, 112507.	4.9	9
122	Thermophysical properties of N -phenyl- N -ethanol ammonium carboxylate based ionic liquids: Measurements, correlations and COSMO-RS study. <i>Journal of Molecular Liquids</i> , 2017, 241, 246-254.	4.9	9
123	Modulation of volumetric properties of d(+)-glucose in aqueous 3-hydroxypropylammonium acetate solutions. <i>Journal of Molecular Liquids</i> , 2016, 220, 150-154.	4.9	8
124	Understanding Differential Interaction of Protic and Aprotic Ionic Liquids inside Molecular Confinement. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9676-9687.	2.6	8
125	Effect of Fluorinated Anion on the Physicochemical, Rheological and Solvatochromic Properties of Protic and Aprotic Ionic Liquids: Experimental and Computational Study. <i>ChemistrySelect</i> , 2017, 2, 11653-11658.	1.5	8
126	Predictive Group Contribution Models for the Thermophysical Properties of Ionic Liquids. <i>ACS Symposium Series</i> , 2010, , 385-401.	0.5	7

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127	Enhanced stability and water solubilizing capacity of water-in-oil microemulsions based on protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26132-26144.	2.8	7
128	A Combined Experimental and Theoretical Approach to Understand the Structure and Properties of <i>N</i> -Methylpyrrolidone-Based Protic Ionic Liquids. <i>ChemPhysChem</i> , 2017, 18, 3416-3428.	2.1	7
129	Understanding the solvation behavior of SO ₃ H functionalized Brønsted acidic ionic liquids in water and DMSO: Volumetric and acoustic approach. <i>Journal of Molecular Liquids</i> , 2018, 266, 269-278.	4.9	7
130	Effect of Nitro Groups on Desulfurization Efficiency of Benzyl-Substituted Imidazolium-Based Ionic Liquids: Experimental and Computational Approach. <i>Energy & Fuels</i> , 2019, 33, 7659-7666.	5.1	7
131	Structural Arrangement and Computational Exploration of Guanidinium-Based Ionic Liquids with Benzoic Acid Derivatives as Anions. <i>Crystal Growth and Design</i> , 2019, 19, 2642-2657.	3.0	7
132	Volumetric and compressibility studies of monosaccharides in aqueous cholinium propanoate [Chl][Pro] solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 298, 111955.	4.9	7
133	Scrutinizing the stability of haemoglobin in 1,2,4-triazolium based ionic liquid. <i>Journal of Molecular Liquids</i> , 2022, 349, 118213.	4.9	7
134	Study on Solvation Behavior of Benzyl Methyl Ammonium Carboxylate Ionic Liquids in <i>N,N</i> -Dimethylformamide by Physicochemical Properties. <i>Journal of Solution Chemistry</i> , 2015, 44, 469-494.	1.2	6
135	Speed of sound and apparent molar isentropic compression of 1-butyl-3-methylimidazolium bromide in aqueous monosaccharide solutions. <i>Journal of Molecular Liquids</i> , 2016, 223, 54-59.	4.9	6
136	The influence of zwitterions on the partition of biomolecules in aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2020, 253, 117537.	7.9	6
137	Thermodynamic and Ultrasonic Properties of Ascorbic Acid in Aqueous Protic Ionic Liquid Solutions. <i>PLoS ONE</i> , 2015, 10, e0126091.	2.5	6
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