

Ramesh L Gardas

List of Publications by Year in descending order

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151
papers

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81839

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Effect of alkyl chain length and temperature on volumetric, acoustic and apparent molar properties of pyrrolidinium based ionic liquids in acetonitrile. <i>Journal of Molecular Liquids</i> , 2022, 348, 118067.	2.3	6
2	Scrutinizing the stability of haemoglobin in 1,2,4-triazolium based ionic liquid. <i>Journal of Molecular Liquids</i> , 2022, 349, 118213.	2.3	7
3	Study of thermophysical properties of binary mixtures of N-phenyl ethanolammonium based protic ionic liquids with water and ethanol solvents. <i>Journal of Ionic Liquids</i> , 2022, 2, 100015.	1.0	1
4	Systematic photophysical, thermal and electrochemical analysis of a series of phenothiazine cored conjugated aromatic unit appended Dâ€“A based high-solid state luminescent materials: their applications in reversible mechanofluorochromic and volatile acid sensing. <i>Materials Advances</i> , 2022, 3, 2871-2883.	2.6	12
5	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.	2.7	10
6	Revisiting the Physicochemical Properties and Applications of Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 1368.	1.7	77
7	Encapsulated Protic Ionic Liquids as Sustainable Materials for CO ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4046-4057.	1.8	4
8	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.	1.4	13
9	Structural Arrangements of Guanidinium-Based Dicarboxylic Acid Ionic Liquids and Insights into Carbon Dioxide Uptake through Structural Voids. <i>Crystal Growth and Design</i> , 2022, 22, 3646-3655.	1.4	2
10	Poly(alkyl ether) based ionic liquidâ€“cyclodextrin based inclusion complex and antibacterial activity of the inclusion complex. <i>Journal of Molecular Liquids</i> , 2022, 361, 119571.	2.3	4
11	A comparative study of ionothermal treatment of rice straw using triflate and acetate-based ionic liquids. <i>Journal of Ionic Liquids</i> , 2022, 2, 100037.	1.0	6
12	One-Pot Assembly for Synthesis of 1,4-Dihydropyridine Scaffold and Their Biological Applications. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 1495-1505.	1.4	25
13	Ionic liquidâ€“based aqueous biphasic systems as sustainable extraction and separation techniques. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 27, 100423.	3.2	15
14	Insights into non-ideal behaviour of benzyl alcohol with (C ₂ -C ₄) carboxylic acids through volumetric, ultrasonic and ATR-FTIR spectroscopic studies. <i>Physics and Chemistry of Liquids</i> , 2021, 59, 632-654.	0.4	1
15	Thermodynamic Analysis of Ionic Liquids for CO ₂ Capture, Regeneration and Conversion. <i>Green Energy and Technology</i> , 2021, , 123-140.	0.4	1
16	Synthesis and in vitro study of antiproliferative benzyloxy dihydropyrimidinones. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000466.	2.1	19
17	Investigation of Anion Structural Effects on Soluteâ€“Solvent Interactions of Ionic Liquids with DMF by Volumetric, Acoustic, Viscometric Properties and COSMOâ€“RS Calculations. <i>ChemistrySelect</i> , 2021, 6, 2994-3005.	0.7	1
18	Ionic liquids as alternative solvents for energy conservation and environmental engineering. <i>Acta Innovations</i> , 2021, , 62-79.	0.4	10

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19	Diazobicyclo[5.4.0]undec-7ene-ium and tetramethyl guanidium based ionic liquids enhanced thermal stability of xylose reductase at extreme pH through specific ion effect. <i>Journal of Molecular Liquids</i> , 2021, 328, 115394.	2.3	5
20	On the Influence of the Menthol Moiety on the Transport Properties of a Homologue Series of Functionalized Bis(trifluoromethylsulfonyl)imide Room-Temperature Ionic Liquids: A Quest for the Structure-Property Relationship. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8502-8510.	1.2	4
21	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.	1.4	10
22	Study on inclusion complexation of β -CD and nitro-benzyl-imidazolium-based ionic liquids with various physicochemical techniques. <i>Journal of Molecular Liquids</i> , 2021, 348, 118039.	2.3	1
23	Volumetric and compressibility studies of monosaccharides in aqueous cholinium propanoate [Ch][Pro] solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 298, 111955.	2.3	7
24	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.	1.4	15
25	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.	3.9	39
26	Apparent molar properties of trioctylmethylammonium based ionic liquids in toluene and dodecane at $T = (293.15 \text{ to } 328.15) \text{ K}$. <i>Journal of Molecular Liquids</i> , 2020, 299, 112186.	2.3	9
27	Thermodynamics and micellization behavior of ethanolammonium carboxylate surface active ionic liquids in aqueous media. <i>Journal of Molecular Liquids</i> , 2020, 299, 112116.	2.3	10
28	The influence of zwitterions on the partition of biomolecules in aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2020, 253, 117537.	3.9	6
29	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.	3.2	17
30	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.	2.3	9
31	Selection and characterization of non-ideal ionic liquids mixtures to be used in CO ₂ capture. <i>Fluid Phase Equilibria</i> , 2020, 518, 112621.	1.4	23
32	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.	2.3	16
33	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.	2.3	9
34	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.	2.5	7
35	Thermophysical Properties and Carbon Dioxide Absorption Studies of Guanidinium-Based Carboxylate Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 4844-4855.	1.0	17
36	Evaluating the solute-solvent interactions of glycine in aqueous solution of choline based ionic liquids through volumetric properties at $T = (293.15 \text{ to } 313.15 \text{ K})$. <i>Journal of Molecular Liquids</i> , 2019, 289, 111087.	2.3	13

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37	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.	1.4	7
38	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.	1.2	13
39	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.	2.9	14
40	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.	1.0	31
41	Zwitterions as novel phase forming components of aqueous biphasic systems. <i>Pure and Applied Chemistry</i> , 2019, 91, 1279-1294.	0.9	11
42	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.	1.0	15
43	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.	1.0	57
44	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.	2.3	16
45	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.	1.4	34
46	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.	2.3	16
47	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.	2.3	16
48	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.	0.7	38
49	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.	2.3	15
50	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.	2.3	7
51	Thermophysical properties of trioctylalkylammonium bis(salicylato)borate ionic liquids: Effect of alkyl chain length. <i>Journal of Molecular Liquids</i> , 2018, 269, 540-546.	2.3	21
52	Aqueous Biphasic Systems: The Greener Approach For Separation Of Biomolecules. , 2018, , .		0
53	How water manifests the structural regimes in ionic liquids. <i>Soft Matter</i> , 2017, 13, 2348-2361.	1.2	19
54	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.	2.3	24

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55	Better Than the Best Polar Solvent: Tuning the Polarity of 1,2,4-Triazolium-Based Ionic Liquids. <i>ChemistrySelect</i> , 2017, 2, 3943-3947.	0.7	9
56	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.	1.4	14
57	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.	2.4	41
58	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.	1.0	13
59	Acoustic, volumetric, transport, optical and rheological properties of Benzyltripropylammonium based Deep Eutectic Solvents. <i>Fluid Phase Equilibria</i> , 2017, 448, 41-49.	1.4	58
60	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.	2.3	29
61	Understanding Differential Interaction of Protic and Aprotic Ionic Liquids inside Molecular Confinement. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9676-9687.	1.2	8
62	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.	1.3	7
63	Environmentally benign tetramethylguanidinium cation based ionic liquids. <i>New Journal of Chemistry</i> , 2017, 41, 12268-12277.	1.4	19
64	A Combined Experimental and Theoretical Approach to Understand the Structure and Properties of N-Methylpyrrolidone-Based Protic Ionic Liquids. <i>ChemPhysChem</i> , 2017, 18, 3416-3428.	1.0	7
65	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.	2.3	13
66	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.	0.8	26
67	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.	0.7	8
68	Influence of Alkyl Substituent on Optical Properties of Carboxylate-Based Protic Ionic Liquids. <i>ChemistrySelect</i> , 2017, 2, 10091-10096.	0.7	9
69	Understanding the solvation behavior of tetramethylguanidinium based ionic liquids in dilute aqueous solutions through apparent molar properties. <i>Journal of Molecular Liquids</i> , 2017, 242, 129-136.	2.3	4
70	Effect of anion on thermophysical properties of N,N-diethanolammonium based protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2017, 242, 249-254.	2.3	12
71	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.	2.3	9
72	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.	1.4	13

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73	Structural and compositional effect on the acoustic and volumetric properties of ammonium based ionic liquids with water and N-methyl-2-pyrrolidone. Journal of Molecular Liquids, 2016, 219, 829-844.	2.3	11
74	Modulation of volumetric properties of d(+)-glucose in aqueous 3-hydroxypropylammonium acetate solutions. Journal of Molecular Liquids, 2016, 220, 150-154.	2.3	8
75	Influence of Cation Size on the Ionicity, Fluidity, and Physicochemical Properties of 1,2,4-Triazolium Based Ionic Liquids. Journal of Physical Chemistry B, 2016, 120, 4834-4842.	1.2	51
76	Measurement and correlation for the thermophysical properties of hydroxyethyl ammonium based protic ionic liquids: Effect of temperature and alkyl chain length on anion. Fluid Phase Equilibria, 2016, 427, 282-290.	1.4	18
77	Implicit and explicit solvent models to understand the d(+)-glucose solvation in aqueous protic ionic liquid solution: Volumetric and computational approach. Journal of Chemical Thermodynamics, 2016, 103, 7-16.	1.0	9
78	Speed of sound and apparent molar isentropic compression of 1-butyl-3-methylimidazolium bromide in aqueous monosaccharide solutions. Journal of Molecular Liquids, 2016, 223, 54-59.	2.3	6
79	Spectroscopic investigations to understand the enhanced dissolution of heavy crude oil in the presence of lactam, alkyl ammonium and hydroxyl ammonium based ionic liquids. Journal of Molecular Liquids, 2016, 221, 323-332.	2.3	14
80	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. Journal of Molecular Liquids, 2016, 224, 882-892.	2.3	25
81	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. Journal of Natural Gas Science and Engineering, 2016, 33, 509-517.	2.1	37
82	Effect of anion chain length on physicochemical properties of N,N-dimethylethanolammonium based protic ionic liquids. Fluid Phase Equilibria, 2016, 415, 1-7.	1.4	29
83	Apparent molar volume and isentropic compressibilities of antidepressant drugs (Citalopram HBr and Tj ETQq1 1 0,784314 rgBT /Over	2.3	28
84	The structural effect on volumetric and acoustic properties of aqueous anti-HIV drugs (Emtricitabine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	13
85	Elucidation of molecular interactions between a DBU based protic ionic liquid and organic solvents: thermophysical and computational studies. RSC Advances, 2016, 6, 623-631.	1.7	21
86	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. Energy & Fuels, 2016, 30, 2514-2523.	2.5	71
87	Synthesis, spectroscopic characterization and acoustic, volumetric, transport and thermal properties of hydroxyl ammonium based ionic liquids. Journal of Chemical Thermodynamics, 2016, 92, 175-181.	1.0	22
88	Nature friendly Application of Ionic Liquids for Dissolution Enhancement of Heavy Crude Oil. , 2015, , .		12
89	Structural Dependence of Protic Ionic Liquids on Surface, Optical, and Transport Properties. Journal of Chemical & Engineering Data, 2015, 60, 1868-1877.	1.0	28
90	Apparent molar properties of aqueous protic ionic liquid solutions at T = (293.15 to 328.15) K. Ionics, 2015, 21, 1959-1965.	1.2	19

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91	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.	1.0	44
92	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.	1.8	64
93	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.	1.8	21
94	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.	1.8	23
95	Volumetric properties of 1-butyl-3-methylimidazolium bromide in aqueous solutions of d(α ⁻)-ribose and d(α ⁻)-arabinose at different temperatures. <i>Journal of Molecular Liquids</i> , 2015, 209, 352-357.	2.3	22
96	Thermophysical and spectroscopic study of pure N-methylcyclohexylammonium based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 251-258.	1.0	14
97	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.	1.4	48
98	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.	0.6	17
99	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.	0.6	22
100	Effect of protic ionic liquid on the volumetric properties of ribose in aqueous solutions. <i>Thermochimica Acta</i> , 2015, 610, 69-77.	1.2	12
101	Volumetric and ultrasonic properties of ternary (sucrose + water + protic ionic liquid) solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 60-68.	1.0	20
102	The constitutive behavior of ammonium ionic liquids: a physicochemical approach. <i>RSC Advances</i> , 2015, 5, 46881-46889.	1.7	9
103	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.	1.0	9
104	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.	2.3	29
105	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.	1.3	28
106	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.	2.3	27
107	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.	2.3	54
108	Study on Solvation Behavior of Benzyl Methyl Ammonium Carboxylate Ionic Liquids in N,N-Dimethylformamide by Physicochemical Properties. <i>Journal of Solution Chemistry</i> , 2015, 44, 469-494.	0.6	6

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109	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.	1.4	55
110	Volumetric properties of amino acids in aqueous solutions of ammonium based protic ionic liquids. <i>Fluid Phase Equilibria</i> , 2015, 385, 258-274.	1.4	49
111	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.	1.0	22
112	Apparent molar properties of benzyltrimethylammonium based protic ionic liquids in water and ethanol at different temperatures. <i>Fluid Phase Equilibria</i> , 2015, 385, 92-104.	1.4	37
113	Effect of protic ionic liquid on the volumetric properties and taste behaviour of sucrose. <i>Food Chemistry</i> , 2015, 169, 478-483.	4.2	59
114	Thermodynamic and Ultrasonic Properties of Ascorbic Acid in Aqueous Protic Ionic Liquid Solutions. <i>PLoS ONE</i> , 2015, 10, e0126091.	1.1	6
115	Volumetric properties of betaine hydrochloride drug in aqueous NaCl and KCl solutions at different temperatures. <i>Thermochimica Acta</i> , 2014, 597, 71-77.	1.2	33
116	Physicochemical properties of low viscous lactam based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 255-262.	1.0	83
117	Insights Into the Extraction of Am(III) by Aliquat-336 Based Ionic Liquids. <i>Separation Science and Technology</i> , 2014, 49, 2338-2345.	1.3	15
118	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.	1.7	30
119	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.	1.4	27
120	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.	2.5	34
121	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.	1.4	48
122	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.	2.3	55
123	Solvation behaviour and partial molar properties of monosaccharides in aqueous protic ionic liquid solutions. <i>Journal of Chemical Thermodynamics</i> , 2014, 71, 37-49.	1.0	63
124	Thermophysical properties of ammonium and hydroxylammonium protic ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 72, 117-124.	1.0	89
125	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.	1.0	57
126	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. <i>Dalton Transactions</i> , 2012, 41, 8316.	1.6	65

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127	Measurements and Correlation of High-Pressure Densities of Phosphonium Based Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 2205-2217.	1.0	41
128	Alkyltrioctylphosphonium chloride ionic liquids: synthesis and physicochemical properties. Dalton Transactions, 2011, 40, 12750.	1.6	76
129	Ecotoxicological risk profile of ionic liquids: octanol-water distribution coefficients and toxicological data. Journal of Chemical Technology and Biotechnology, 2011, 86, 957-963.	1.6	47
130	Predictive Group Contribution Models for the Thermophysical Properties of Ionic Liquids. ACS Symposium Series, 2010, , 385-401.	0.5	7
131	Interfacial tensions of imidazolium-based ionic liquids with water and n-alkanes. Fluid Phase Equilibria, 2010, 294, 139-147.	1.4	59
132	Thermophysical Properties of Amino Acid-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2010, 55, 1505-1515.	1.0	118
133	Group contribution methods for the prediction of thermophysical and transport properties of ionic liquids. AIChE Journal, 2009, 55, 1274-1290.	1.8	274
134	Development of a QSPR correlation for the parachor of 1,3-dialkyl imidazolium based ionic liquids. Fluid Phase Equilibria, 2009, 283, 31-37.	1.4	19
135	<i>PVT</i> Property Measurements for Ethyl Propionate, Ethyl Butyrate, and Ethyl Pentanoate Esters from (298 to 393) K and up to 35 MPa. Journal of Chemical & Engineering Data, 2009, 54, 256-262.	1.0	29
136	Applying a QSPR correlation to the prediction of surface tensions of ionic liquids. Fluid Phase Equilibria, 2008, 265, 57-65.	1.4	148
137	Non-ideal behaviour of a room temperature ionic liquid in an alkoxyethanol or poly ethers at T=(298.15 to 318.15)K. Journal of Chemical Thermodynamics, 2008, 40, 32-39.	1.0	82
138	Acoustic and volumetric properties of aqueous solutions of imidazolium based ionic liquids at 298.15 K. Journal of Chemical Thermodynamics, 2008, 40, 695-701.	1.0	85
139	Extension of the Ye and Shreeve group contribution method for density estimation of ionic liquids in a wide range of temperatures and pressures. Fluid Phase Equilibria, 2008, 263, 26-32.	1.4	268
140	A group contribution method for viscosity estimation of ionic liquids. Fluid Phase Equilibria, 2008, 266, 195-201.	1.4	242
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