

Ramesh Gardas

List of Publications by Year in descending order

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206
papers

7,642
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times ranked

4061
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 80-88.	1.9	381
2	Mutual Solubilities of Water and Hydrophobic Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 13082-13089.	2.6	374
3	Mutual Solubilities of Water and the [C _n mim] ⁺ [Tf ₂ N] ⁻ Hydrophobic Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 1604-1610.	2.6	325
4	High-Pressure Density Measurements of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2007, 52, 1881-1888.	1.9	277
5	Group contribution methods for the prediction of thermophysical and transport properties of ionic liquids. AIChE Journal, 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. Fluid Phase Equilibria, 2008, 263, 26-32.	2.5	268
7	A group contribution method for viscosity estimation of ionic liquids. Fluid Phase Equilibria, 2008, 266, 195-201.	2.5	242
8	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 805-811.	1.9	233
9	A Group Contribution Method for Heat Capacity Estimation of Ionic Liquids. Industrial & Engineering Chemistry Research, 2008, 47, 5751-5757.	3.7	152
10	Applying a QSPR correlation to the prediction of surface tensions of ionic liquids. Fluid Phase Equilibria, 2008, 265, 57-65.	2.5	148
11	Acoustic, volumetric, compressibility and refractivity properties and reduction parameters for the ERAS and Flory models of some homologous series of amines from 298.15 to 328.15 K. Fluid Phase Equilibria, 2004, 216, 33-45.	2.5	141
12	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 1914-1921.	1.9	130
13	Thermodynamic Studies of Ionic Interactions in Aqueous Solutions of Imidazolium-Based Ionic Liquids [Emim] ⁺ [Br] ⁻ and [Bmim] ⁺ [Cl] ⁻ . Journal of Physical Chemistry B, 2008, 112, 3380-3389.	2.6	127
14	Thermophysical Properties of Amino Acid-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2010, 55, 1505-1515.	1.9	118
15	Solubility of Water in Tetradecyltrihexylphosphonium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 2378-2382.	1.9	114
16	Thermophysical Properties of Ionic Liquids. Topics in Current Chemistry, 2009, 290, 185-212.	4.0	109
17	Thermophysical properties of ammonium and hydroxylammonium protic ionic liquids. Journal of Chemical Thermodynamics, 2014, 72, 117-124.	2.0	89
18	Acoustic, volumetric, compressibility and refractivity properties and Flory's reduction parameters of some homologous series of alkyl alkanoates from 298.15 to 333.15 K. Thermochimica Acta, 2004, 410, 1-14.	2.7	88

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19	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
20	Physicochemical properties of low viscous lactam based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 255-262.	2.0	83
21	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
22	Revisiting the Physicochemical Properties and Applications of Deep Eutectic Solvents. <i>Molecules</i> , 2022, 27, 1368.	3.8	77
23	Alkyltrioctylphosphonium chloride ionic liquids: synthesis and physicochemical properties. <i>Dalton Transactions</i> , 2011, 40, 12750.	3.3	76
24	Densities, speeds of sound, isentropic compressibilities, refractive indices and viscosities of binary mixtures of tetrahydrofuran with hydrocarbons at 303.15 K. <i>Journal of Molecular Liquids</i> , 2005, 116, 109-118.	4.9	73
25	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
26	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
27	Alkyltributylphosphonium chloride ionic liquids: synthesis, physicochemical properties and crystal structure. <i>Dalton Transactions</i> , 2012, 41, 8316.	3.3	65
28	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
29	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
30	Interfacial tensions of imidazolium-based ionic liquids with water and n-alkanes. <i>Fluid Phase Equilibria</i> , 2010, 294, 139-147.	2.5	59
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	Physicochemical and tribophysical properties of trioctylalkylammonium bis(salicylato)borate (N888n-BScB) ionic liquids: effect of alkyl chain length. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6433-6442.	2.8	50
40	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
41	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
42	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
43	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
44	Effect of chain length of alcohol on thermodynamic properties of their binary mixtures with benzylalcohol. <i>Thermochimica Acta</i> , 2014, 581, 123-132.	2.7	47
45	Thermodynamics of binary mixtures: The effect of substituents in aromatics on their excess properties with benzylalcohol. <i>Fluid Phase Equilibria</i> , 2014, 367, 7-21.	2.5	47
46	FT-IR studies on excess thermodynamic properties of binary liquid mixtures o-chlorotoluene with 1-propanol, 1-butanol, 1-pentanol, 1-hexanol and 1-heptanol at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2013, 67, 203-209.	2.0	46
47	Viscosity of binary mixtures of cycloalkane with cycloalkane, alkane and aromatic hydrocarbon at 303.15 K. <i>Journal of Molecular Liquids</i> , 2003, 108, 199-215.	4.9	45
48	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
49	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
50	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
51	Densities, speeds of sound, isentropic compressibilities, refractive indexes, and viscosities of tetrahydrofuran with haloalkane or alkyl ethanoate at T = 303.15 K. <i>Thermochimica Acta</i> , 2005, 426, 199-206.	2.7	40
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	<i>PVT</i> 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
63	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
64	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
65	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
66	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
67	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
68	Apparent molar volume and isentropic compressibilities of antidepressant drugs (Citalopram HBr and Tj ETQqO O O rgBT /Overlock 10 T	4.9	28
69	Speeds of sound and isentropic compressibilities of binary mixtures containing trialkylamines with alkanes and mono-alkylamines at 303.15 and 313.15 K. <i>Fluid Phase Equilibria</i> , 2004, 215, 61-70.	2.5	27
70	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
71	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
72	Volumetric and transport properties of ternary mixtures containing 1-propanol, triethylamine or tri-n-butylamine and cyclohexane at 303.15K: Experimental data, correlation and prediction by ERAS model. <i>Thermochimica Acta</i> , 2008, 479, 17-27.	2.7	26

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73	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
74	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
75	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
76	Synthesis, crystal structure and <i>in silico</i> studies of novel 2,4-dimethoxy-tetrahydropyrimido[4,5- <i>b</i>]quinolin-6(7 <i>H</i>)-ones. <i>RSC Advances</i> , 2022, 12, 18806-18820.	3.6	25
77	Speeds of sound, isentropic compressibilities, and excess molar volumes of cycloalkanes, alkanes and aromatic hydrocarbons at 303.15 K. II. Results for cycloalkanes+aromatic hydrocarbons. <i>Journal of Molecular Liquids</i> , 2004, 109, 155-166.	4.9	24
78	Volumetric and Transport Properties of Ternary Mixtures Containing 1-Butanol or 1-Pentanol, Triethylamine and Cyclohexane at 303.15 K: Experimental Data, Correlation and Prediction by the E-RAS Model. <i>Journal of Solution Chemistry</i> , 2008, 37, 1449-1470.	1.2	24
79	Excess thermodynamic properties and FT-IR spectroscopic study of binary liquid mixtures of dichloro and trichlorobenzenes with 1-nonanol at T=(298.15, 303.15 and 308.15) K. <i>Journal of Molecular Liquids</i> , 2014, 194, 227-233.	4.9	24
80	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
81	Performance of a vapour absorption refrigeration system operating with ionic liquid-ammonia combination with water as cosolvent. <i>Applied Thermal Engineering</i> , 2014, 72, 250-257.	6.0	23
82	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
83	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
84	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.	4.9	22
85	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
86	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
87	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
88	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
89	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
90	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

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91	Speeds of sound, isentropic compressibilities, viscosities, and excess molar volumes of binary mixtures of alkanoates with tetra- and trichloromethanes at 303.15K. <i>Thermochimica Acta</i> , 2005, 426, 141-149.	2.7	20
92	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
93	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
94	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
95	A Study of the Excess Properties of Aliphatic Chlorinated Compounds with Benzylalcohol at Various Temperatures. <i>Journal of Solution Chemistry</i> , 2015, 44, 327-359.	1.2	19
96	How water manifests the structural regimes in ionic liquids. <i>Soft Matter</i> , 2017, 13, 2348-2361.	2.7	19
97	Environmentally benign tetramethylguanidinium cation based ionic liquids. <i>New Journal of Chemistry</i> , 2017, 41, 12268-12277.	2.8	19
98	Synthesis and in vitro study of antiproliferative benzyloxy dihydropyrimidinones. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000466.	4.1	19
99	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
100	Composition and Temperature Dependence of Excess Properties of Binary Mixtures of Imidazolium Based Ionic Liquids: II ([C n mim][PF6]) + Propylamine. <i>Journal of Solution Chemistry</i> , 2015, 44, 718-741.	1.2	17
101	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
102	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
103	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
104	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
105	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
106	Insights into the structural changes of bovine serum albumin in ethanolanmonium laurate based surface active ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 290, 111229.	4.9	16
107	Volumetric and transport properties of ternary mixtures containing 1-propanol+ethyl ethanoate+cyclohexane or benzene at 303.15K: Experimental data, correlation and prediction by ERAS model. <i>Thermochimica Acta</i> , 2009, 484, 11-21.	2.7	15
108	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

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109	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
110	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
111	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
112	Ionic liquidâ€‘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
113	Thermophysical and spectroscopic study of pure N-methylcyclohexylammonium based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015, 90, 251-258.	2.0	14
114	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
115	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
116	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
117	Volumetric and transport properties of ternary mixtures containing 1-alkanol+ethyl ethanoate+cyclohexane at 303.15K: Experimental data, correlation and prediction by ERAS model. <i>Thermochimica Acta</i> , 2009, 491, 44-57.	2.7	13
118	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
119	The structural effect on volumetric and acoustic properties of aqueous anti-HIV drugs (Emtricitabine) Tj ETQq1 1 0.784314 rgBT /Over to	4.9	13
120	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
121	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
122	Study on the Conformation of Entrapped Protein inside the Reverse Micellar Confinement Based on the Amino Acid Derived Ionic Liquid. <i>ChemistrySelect</i> , 2018, 3, 4768-4776.	1.5	13
123	Electrochemistry: general discussion. <i>Faraday Discussions</i> , 2018, 206, 405-426.	3.2	13
124	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
125	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
126	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

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127	Nature friendly Application of Ionic Liquids for Dissolution Enhancement of Heavy Crude Oil. , 2015, , .		12
128	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
129	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
130	Empirical modeling and kinetic study of methylene blue removal from synthetic wastewater by activation of persulfate with heterogeneous Fenton-like process. <i>Journal of Molecular Liquids</i> , 2021, 328, 115408.	4.9	12
131	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.	5.4	12
132	Volumetric, acoustic and FT-IR spectroscopic study on ternary and constituent binary mixtures containing N-methylcyclohexylamine, nitrobenzene and 1-alkanols at 303.15K. <i>Journal of Molecular Liquids</i> , 2015, 209, 578-585.	4.9	11
133	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
134	Zwitterions as novel phase forming components of aqueous biphasic systems. <i>Pure and Applied Chemistry</i> , 2019, 91, 1279-1294.	1.9	11
135	Impact of Surfactants on the Electrical and Rheological Aspects of Silica Based Synthetic Ester Nanofluids. <i>IEEE Access</i> , 2022, 10, 18192-18200.	4.2	11
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