Ramesh Gardas

List of Publications by Year
in descending order

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206	7,642	57758	64796
papers	citations	44 h-index	79 g-index

211	211	211	4061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extraction of phenolic pollutants from industrial wastewater using a bulk ionic liquid membrane technique. Environmental Technology (United Kingdom), 2022, 43, 1038-1049.	2.2	5
2	Insights into the Formations of Hostâ€“Guest Complexes Based on the Benzimidazolium Based Ionic Liquidsâ^'Î²-Cyclodextrin Systems. ACS Physical Chemistry Au, 2022, 2, 3-15.	4.0	8
3	CO2 triggered switchable and tunable solvents for biocatalysis. , 2022, , 177-189.		1
4	Effect of alkyl chain length and temperature on volumetric, acoustic and apparent molar properties of pyrrolidinium based ionic liquids in acetonitrile. Journal of Molecular Liquids, 2022, 348, 118067.	4.9	6
5	Scrutinizing the stability of haemoglobin in 1,2,4-triazolium based ionic liquid. Journal of Molecular Liquids, 2022, 349, 118213.	4.9	7
6	Study of thermophysical properties of binary mixtures of N-phenyl ethanolammonium based protic ionic liquids with water and ethanol solvents. Journal of Ionic Liquids, 2022, 2, 100015.	2.7	1
7	Systematic photophysical, thermal and electrochemical analysis of a series of phenothiazine cored conjugated aromatic unit appended Dâ€“Ïâ€“A based high-solid state luminescent materials: their applications in reversible mechanofluorochromic and volatile acid sensing. Materials Advances, 2022, 3, 2871-2883.	5.4	12
8	The Journal of Chemical & Engineering Data: Introduction of Topical Sections and Updates from the Editorial Team. Journal of Chemical & Engineering Data, 2022, 67, 1-2.	1.9	1
9	Impact of Surfactants on the Electrical and Rheological Aspects of Silica Based Synthetic Ester Nanofluids. IEEE Access, 2022, 10, 18192-18200.	4.2	11
10	Ionic liquid-nanoparticle based hybrid systems for energy conversion and energy storage applications. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104237.	5.3	10
11	Investigation on the Electrical and Rheological Properties of AlN-Based Synthetic Ester Nanofluids. IEEE Access, 2022, 10, 37495-37505.	4.2	7
12	Revisiting the Physicochemical Properties and Applications of Deep Eutectic Solvents. Molecules, 2022, 27, 1368.	3.8	77
13	Reversible mechanofluorochromism by simple phenyl and mesitylene appended solid state emitters via crystal to amorphous transitions. Dyes and Pigments, 2022, 204, 110246.	3.7	4
14	Encapsulated Protic Ionic Liquids as Sustainable Materials for CO₂ Separation. Industrial & Engineering Chemistry Research, 2022, 61, 4046-4057.	3.7	4
15	Insights into the Partitioning of DNA in Aqueous Biphasic System Containing Ammonium-based Ionic Liquid and Phosphate Buffer. Fluid Phase Equilibria, 2022, 558, 113463.	2.5	13
16	Structural Arrangements of Guanidinium-Based Dicarboxylic Acid Ionic Liquids and Insights into Carbon Dioxide Uptake through Structural Voids. Crystal Growth and Design, 2022, 22, 3646-3655.	3.0	2
17	Nitrogen-Doped High Surface Area Porous Carbon Material Derived from Biomass and Ionic Liquid for High-Performance Supercapacitors. Industrial & Engineering Chemistry Research, 2022, 61, 12073-12082.	3.7	7
18	Poly(alkyl ether) based ionic liquidâ€“Î³-cyclodextrin based inclusion complex and antibacterial activity of the inclusion complex. Journal of Molecular Liquids, 2022, 361, 119571.	4.9	4

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19	Synthesis, crystal structure and in silico studies of novel 2,4-dimethoxy-tetrahydropyrimido[4,5-b]quinolin-6(7H)-ones. RSC Advances, 2022, 12, 18806-18820.	3.6	25
20	A comparative study of ionothermal treatment of rice straw using triflate and acetate-based ionic liquids. Journal of Ionic Liquids, 2022, 2, 100037.	2.7	6
21	One-Pot Assembly for Synthesis of 1,4-Dihydropyridine Scaffold and Their Biological Applications. Polycyclic Aromatic Compounds, 2021, 41, 1495-1505.	2.6	25
22	Ionic liquidâ€“based aqueous biphasic systems as sustainable extraction and separation techniques. Current Opinion in Green and Sustainable Chemistry, 2021, 27, 100423.	5.9	15
23	Excess volume, speed of sound and isentropic compressibility data of ternary mixtures containing N-methylcyclohexylamine, p-xylene and (C3-C5) 1-alkanols. Chemical Data Collections, 2021, 31, 100610.	2.3	0
24	Insights into non-ideal behaviour of benzyl alcohol with (C₂-C₄) carboxylic acids through volumetric, ultrasonic and ATR-FTIR spectroscopic studies. Physics and Chemistry of Liquids, 2021, 59, 632-654.	1.2	1
25	Journal of Chemical & Engineering Data: An Update from the Editorial Team. Journal of Chemical & Engineering Data, 2021, 66, 1-2.	1.9	0
26	Cycloaddition reactions in ionic liquids for the synthesis of biologically relevant heterocycles. , 2021, , 249-295.		1
27	Thermodynamic Analysis of Ionic Liquids for CO2 Capture, Regeneration and Conversion. Green Energy and Technology, 2021, , 123-140.	0.6	1
28	Synthesis and in vitro study of antiproliferative benzyloxy dihydropyrimidinones. Archiv Der Pharmazie, 2021, 354, e2000466.	4.1	19
29	Journal of Chemical & Engineering Data: Why Change the Cover Page?. Journal of Chemical & Engineering Data, 2021, 66, 859-860.	1.9	0
30	Investigation of Anion Structural Effects on Soluteâ€Solvent Interactions of Ionic Liquids with DMF by Volumetric, Acoustic, Viscometric Properties and COSMOâ€RS Calculations. ChemistrySelect, 2021, 6, 2994-3005.	1.5	1
31	Ionic liquids as alternative solvents for energy conservation and environmental engineering. Acta Innovations, 2021, , 62-79.	1.0	10
32	Historical Perspective of the Journal of Chemical & Engineering Dataâ€™s Published Topics, 1956â€“2020. Journal of Chemical & Engineering Data, 2021, 66, 1555-1556.	1.9	1
33	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. Journal of Molecular Liquids, 2021, 328, 115394.	4.9	5
34	Empirical modeling and kinetic study of methylene blue removal from synthetic wastewater by activation of persulfate with heterogeneous Fenton-like process. Journal of Molecular Liquids, 2021, 328, 115408.	4.9	12
35	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 Structureâ€“Property Relationship. Journal of Physical Chemistry B, 2021, 125, 8502-8510.	2.6	4
36	Development of a robust soft-SAFT model for protic ionic liquids using new high-pressure density data. Fluid Phase Equilibria, 2021, 539, 113036.	2.5	10

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37	Exploring the solvation behavior of guanidinium based carboxylate ionic liquids in DMSO and DMF through apparent molar properties. Journal of Molecular Liquids, 2021, 343, 117664.	4.9	8
38	Study of CO2 Solubility in Bicyclic Ionic Liquids by Thermodynamic Properties and FT-IR Spectroscopic Analysis at T=(303.15 and 313.15) K. Chemical Thermodynamics and Thermal Analysis, 2021, , 100021.	1.5	0
39	Study on inclusion complexation of Î²-CD and nitro-benzyl-imidazolium-based ionic liquids with various physicochemical techniques. Journal of Molecular Liquids, 2021, 348, 118039.	4.9	1
40	Volumetric and compressibility studies of monosaccharides in aqueous cholinium propanoate [Chl][Pro] solutions at different temperatures. Journal of Molecular Liquids, 2020, 298, 111955.	4.9	7
41	Aqueous biphasic systems of amino acid-based ionic liquids: Evaluation of phase behavior and extraction capability for caffeine. Fluid Phase Equilibria, 2020, 506, 112373.	2.5	15
42	Mono- and di- cationic ionic liquids based aqueous biphasic systems for the extraction of diclofenac sodium. Separation and Purification Technology, 2020, 234, 116048.	7.9	39
43	Apparent molar properties of trioctylmethylammonium based ionic liquids in toluene and dodecane at TÂ=Â(293.15 to 328.15)ÂK. Journal of Molecular Liquids, 2020, 299, 112186.	4.9	9
44	Thermodynamics and micellization behavior of ethanolammonium carboxylate surface active ionic liquids in aqueous media. Journal of Molecular Liquids, 2020, 299, 112116.	4.9	10
45	The influence of zwitterions on the partition of biomolecules in aqueous biphasic systems. Separation and Purification Technology, 2020, 253, 117537.	7.9	6
46	Pyridine Appended Poly(Alkyl Ether) Based Ionogels for Naked Eye Detection of Cyanide Ions: A Metal-Free Approach. ACS Sustainable Chemistry and Engineering, 2020, 8, 8327-8337.	6.7	17
47	Effect of temperature, nature of anion and alkyl chain length on the volumetric and acoustic properties of ionic liquid [C4C1im][MeSO4] with alkyl nitriles. Journal of Molecular Liquids, 2020, 302, 112507.	4.9	9
48	Selection and characterization of non-ideal ionic liquids mixtures to be used in CO2 capture. Fluid Phase Equilibria, 2020, 518, 112621.	2.5	23
49	Insights into the structural changes of bovine serum albumin in ethanolammonium laurate based surface active ionic liquids. Journal of Molecular Liquids, 2019, 290, 111229.	4.9	16
50	Physicochemical investigations of amino acid ionic liquid based inclusion complex probed by spectral and molecular docking techniques. Journal of Molecular Liquids, 2019, 291, 111255.	4.9	9
51	Effect of Nitro Groups on Desulfurization Efficiency of Benzyl-Substituted Imidiazolium-Based Ionic Liquids: Experimental and Computational Approach. Energy & Fuels, 2019, 33, 7659-7666.	5.1	7
52	Thermophysical Properties and Carbon Dioxide Absorption Studies of Guanidinium-Based Carboxylate Ionic Liquids. Journal of Chemical & Engineering Data, 2019, 64, 4844-4855.	1.9	17
53	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). Journal of Molecular Liquids, 2019, 289, 111087.	4.9	13
54	Structural Arrangement and Computational Exploration of Guanidinium-Based Ionic Liquids with Benzoic Acid Derivatives as Anions. Crystal Growth and Design, 2019, 19, 2642-2657.	3.0	7

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55	Molecular-Level Insights into the Microstructure of a Hydrated and Nanoconfined Deep Eutectic Solvent. Journal of Physical Chemistry B, 2019, 123, 3359-3371.	2.6	13
56	Application of carboxylate protic ionic liquids in simultaneous microalgal pretreatment and lipid recovery from marine Nannochloropsis sp. and Chlorella sp.. Biomass and Bioenergy, 2019, 123, 14-24.	5.7	14
57	Influence of temperature and alkyl chain length on physicochemical properties of trihexyl- and trioctylammonium based protic ionic liquids. Journal of Chemical Thermodynamics, 2019, 133, 170-180.	2.0	31
58	Zwitterions as novel phase forming components of aqueous biphasic systems. Pure and Applied Chemistry, 2019, 91, 1279-1294.	1.9	11
59	Evaluation of anion chain length impact on aqueous two phase systems formed by carboxylate anion functionalized ionic liquids. Journal of Chemical Thermodynamics, 2018, 120, 88-96.	2.0	15
60	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 283.15â€“343.15 K. Journal of Chemical & Engineering Data, 2018, 63, 2613-2627.	1.9	57
61	Understanding the solvation behavior of pyrrolidinium based ionic liquids in acetonitrile through thermophysical properties at 293.15 to 328.15 K. Journal of Molecular Liquids, 2018, 256, 22-28.	4.9	16
62	Study on the Conformation of Entrapped Protein inside the Reverse Micellar Confinement Based on the Amino Acid Derived Ionic Liquid. ChemistrySelect, 2018, 3, 4768-4776.	1.5	13
63	Aggregation behaviour of biocompatible choline carboxylate ionic liquids and their interactions with biomolecules through experimental and theoretical investigations. New Journal of Chemistry, 2018, 42, 7105-7118.	2.8	34
64	Molecular interactions of choline based ionic liquids with water at different temperatures: An experimental study. Journal of Molecular Liquids, 2018, 259, 124-133.	4.9	16
65	Structure and dynamics of ionic liquids: general discussion. Faraday Discussions, 2018, 206, 291-337.	3.2	8
66	Electrochemistry: general discussion. Faraday Discussions, 2018, 206, 405-426.	3.2	13
67	Influence of N-1 alkyl substituent on apparent molar properties of 1,2,4-triazolium based ionic liquids in aqueous solutions. Journal of Molecular Liquids, 2018, 250, 477-484.	4.9	16
68	Ionic liquids at interfaces: general discussion. Faraday Discussions, 2018, 206, 549-586.	3.2	0
69	Studies on the uptake of Am(III) and Eu(III) on ionic liquid modified polystyrene-divinyl benzene. Radiochimica Acta, 2018, 106, 169-179.	1.2	5
70	Antiâ€Proliferative 1,4â€Dihydropyridine and Pyridine Derivatives Synthesized through a Catalystâ€Free, Oneâ€Pot Multiâ€Component Reaction. ChemistrySelect, 2018, 3, 12163-12168.	1.5	38
71	Temperature dependent apparent molar properties of trihexylammonium carboxylate based protic ionic liquids in toluene and dodecane. Journal of Molecular Liquids, 2018, 272, 1058-1069.	4.9	15
72	Understanding the solvation behavior of SO3H functionalized BrÃ¸nsted acidic ionic liquids in water and DMSO: Volumetric and acoustic approach. Journal of Molecular Liquids, 2018, 266, 269-278.	4.9	7

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73	Thermophysical properties of trioctylalkylammonium bis(salicylato)borate ionic liquids: Effect of alkyl chain length. Journal of Molecular Liquids, 2018, 269, 540-546.	4.9	21
74	Aqueous Biphasic Systems: The Greener Approach For Separation Of Biomolecules. , 2018, , .		0
75	Physicochemical and tribophysical properties of trioctylalkylammonium bis(salicylato)borate (N888n-BScB) ionic liquids: effect of alkyl chain length. Physical Chemistry Chemical Physics, 2017, 19, 6433-6442.	2.8	50
76	Diglycolic acid modified zirconium phosphate and studies on the extraction of Am(III) and Eu(III) from dilute nitric acid medium. Radiochimica Acta, 2017, 105, 275-283.	1.2	4
77	Extraction behavior of Am(III) and Eu(III) by tri-n-octylmethylammonium diglycolamate ionic liquid impregnated XAD-7. Separation Science and Technology, 2017, 52, 2308-2317.	2.5	7
78	How water manifests the structural regimes in ionic liquids. Soft Matter, 2017, 13, 2348-2361.	2.7	19
79	Effect of temperature on apparent molar properties of DBU based protic ionic liquid in aqueous and ethanolic solutions. Journal of Molecular Liquids, 2017, 231, 213-219.	4.9	24
80	Better Than the Best Polar Solvent: Tuning the Polarity of 1,2,4â€•Triazoliumâ€Based Ionic Liquids. ChemistrySelect, 2017, 2, 3943-3947.	1.5	9
81	Understanding ion-ion and ion-solvent interactions in aqueous solutions of NMP based protic ionic liquids through partial molar properties and DFT calculations. Fluid Phase Equilibria, 2017, 445, 35-44.	2.5	14
82	Protic ionic liquid-assisted cell disruption and lipid extraction from fresh water Chlorella and Chlorococcum microalgae. Algal Research, 2017, 25, 228-236.	4.6	41
83	Measurement and Correlation for Acoustic, Transport, Refractive, and High-Temperature Volumetric Data of Substituted Benzylamines. Journal of Chemical & Engineering Data, 2017, 62, 1189-1197.	1.9	13
84	Acoustic, volumetric, transport, optical and rheological properties of Benzyltripropylammonium based Deep Eutectic Solvents. Fluid Phase Equilibria, 2017, 448, 41-49.	2.5	58
85	Enhanced partitioning of tryptophan in aqueous biphasic systems formed by benzyltrialkylammonium based ionic liquids: Evaluation of thermophysical and phase behavior. Journal of Molecular Liquids, 2017, 247, 207-214.	4.9	29
86	Understanding Differential Interaction of Protic and Aprotic Ionic Liquids inside Molecular Confinement. Journal of Physical Chemistry B, 2017, 121, 9676-9687.	2.6	8
87	Enhanced stability and water solubilizing capacity of water-in-oil microemulsions based on protic ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 26132-26144.	2.8	7
88	Environmentally benign tetramethylguanidinium cation based ionic liquids. New Journal of Chemistry, 2017, 41, 12268-12277.	2.8	19
89	A Combined Experimental and Theoretical Approach to Understand the Structure and Properties of Nâ€Methylpyrrolidoneâ€Based Protic Ionic Liquids. ChemPhysChem, 2017, 18, 3416-3428.	2.1	7
90	Exploration of the solvation behaviour of ascorbic acid in aqueous solutions of 1,2,4-triazolium based ionic liquid. Journal of Molecular Liquids, 2017, 244, 55-64.	4.9	13

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91	Thermodynamic modeling of phase equilibrium of carbon dioxide clathrate hydrate in aqueous solutions of promoters and inhibitors suitable for gas separation. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 709-722.	1.5	26
92	Ionic liquid modified silica gel for the sorption of americium(III) and europium(III) from dilute nitric acid medium. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 515-521.	1.5	8
93	Effect of Fluorinated Anion on the Physicochemical, Rheological and Solvatochromic Properties of Protic and Aprotic Ionic Liquids: Experimental and Computational Study. ChemistrySelect, 2017, 2, 11653-11658.	1.5	8
94	Influence of Alkyl Substituent on Optical Properties of Carboxylate-Based Protic Ionic Liquids. ChemistrySelect, 2017, 2, 10091-10096.	1.5	9
95	Reactivity of Monolayer Protected Silver Clusters toward Excess Ligand: A Calorimetric Study. Journal of Physical Chemistry C, 2017, 121, 26483-26492.	3.1	8
96	Understanding the solvation behavior of tetramethylguanidinium based ionic liquids in dilute aqueous solutions through apparent molar properties. Journal of Molecular Liquids, 2017, 242, 129-136.	4.9	4
97	Effect of anion on thermophysical properties of N , N -diethanolammonium based protic ionic liquids. Journal of Molecular Liquids, 2017, 242, 249-254.	4.9	12
98	Phase behaviour and thermodynamics: general discussion. Faraday Discussions, 2017, 206, 113-139.	3.2	8
99	Thermophysical properties of N -phenyl- N -ethanol ammonium carboxylate based ionic liquids: Measurements, correlations and COSMO-RS study. Journal of Molecular Liquids, 2017, 241, 246-254.	4.9	9
100	Solvation behavior of monosaccharides in aqueous protic ionic liquid solutions: Volumetric, calorimetric and NMR spectroscopic studies. Fluid Phase Equilibria, 2016, 421, 24-32.	2.5	13
101	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.	4.9	11
102	Modulation of volumetric properties of d(+)-glucose in aqueous 3-hydroxypropylammonium acetate solutions. Journal of Molecular Liquids, 2016, 220, 150-154.	4.9	8
103	Influence of Cation Size on the Ionicity, Fluidity, and Physiochemical Properties of 1,2,4-Triazolium Based Ionic Liquids. Journal of Physical Chemistry B, 2016, 120, 4834-4842.	2.6	51
104	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.	2.5	18
105	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.	2.0	9
106	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.	4.9	6
107	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.	4.9	14
108	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.	4.9	25

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109	A robust model for the phase stability of clathrate hydrate of methane in an aqueous systems of TBAB, TBABÂ+ÂNaCl and THF suitable for storage and transportation of natural gas. Journal of Natural Gas Science and Engineering, 2016, 33, 509-517.	4.4	37
110	Effect of anion chain length on physicochemical properties of N,N-dimethylethanolammonium based protic ionic liquids. Fluid Phase Equilibria, 2016, 415, 1-7.	2.5	29
111	Apparent molar volume and isentropic compressibilities of antidepressant drugs (Citalopram HBr and) Tj ETQq1 1 0.784314 rgBT /Ove	4.9	28
112	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
113	Elucidation of molecular interactions between a DBU based protic ionic liquid and organic solvents: thermophysical and computational studies. RSC Advances, 2016, 6, 623-631.	3.6	21
114	Effect of Alkyl Ammonium Ionic Liquids on the Interfacial Tension of the Crude Oilâ€“Water System and Their Use for the Enhanced Oil Recovery Using Ionic Liquid-Polymer Flooding. Energy & Fuels, 2016, 30, 2514-2523.	5.1	71
115	Synthesis, spectroscopic characterization and acoustic, volumetric, transport and thermal properties of hydroxyl ammonium based ionic liquids. Journal of Chemical Thermodynamics, 2016, 92, 175-181.	2.0	22
116	Excess thermodynamic and spectroscopic study of ternary mixtures containing N-methylcyclohexylamine, bromobenzene, and 1-alkanols at 303.15ÂK. Journal of Thermal Analysis and Calorimetry, 2016, 123, 881-890.	3.6	7
117	Eco-Efficient Method for the Dissolution Enhancement of Heavy Crude Oil Using Ionic Liquids. , 2015, , .		3
118	Nature friendly Application of Ionic Liquids for Dissolution Enhancement of Heavy Crude Oil. , 2015, , .		12
119	Structural Dependence of Protic Ionic Liquids on Surface, Optical, and Transport Properties. Journal of Chemical & Engineering Data, 2015, 60, 1868-1877.	1.9	28
120	Apparent molar properties of aqueous protic ionic liquid solutions at T = (293.15 to 328.15) K. Ionics, 2015, 21, 1959-1965.	2.4	19
121	An efficient model for the prediction of CO2 hydrate phase stability conditions in the presence of inhibitors and their mixtures. Journal of Chemical Thermodynamics, 2015, 85, 163-170.	2.0	44
122	Use of Aromatic Ionic Liquids in the Reduction of Surface Phenomena of Crude Oilâ€“Water System and their Synergism with Brine. Industrial & Engineering Chemistry Research, 2015, 54, 968-978.	3.7	64
123	Thermodynamic properties of binary mixtures of aniline with halogenated aromatic hydrocarbons: Measurements and correlations. Journal of Molecular Liquids, 2015, 202, 158-164.	4.9	10
124	Excess volume and isentropic compressibility study of ternary mixtures containing N-methylcyclohexylamine, chlorobenzene and 1-alkanols. Physics and Chemistry of Liquids, 2015, 53, 207-220.	1.2	5
125	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. Industrial & Engineering Chemistry Research, 2015, 54, 2237-2245.	3.7	21
126	A Study of the Excess Properties of Aliphatic Chlorinated Compounds with Benzylalcohol at Various Temperatures. Journal of Solution Chemistry, 2015, 44, 327-359.	1.2	19

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127	Substantial Enhancement of Heavy Crude Oil Dissolution in Low Waxy Crude Oil in the Presence of Ionic Liquid. Industrial & Engineering Chemistry Research, 2015, 54, 7999-8009.	3.7	23
128	Volumetric properties of 1-butyl-3-methylimidazolium bromide in aqueous solutions of d(â˜)-ribose and d(â˜)-arabinose at different temperatures. Journal of Molecular Liquids, 2015, 209, 352-357.	4.9	22
129	Thermophysical and spectroscopic study of pure N-methylcyclohexylammonium based ionic liquids. Journal of Chemical Thermodynamics, 2015, 90, 251-258.	2.0	14
130	Effect of various substituents on benzene ring and their impact on volumetric, acoustic and transport properties of binary liquid mixtures with dimethylacetamide. Fluid Phase Equilibria, 2015, 397, 68-80.	2.5	10
131	Synergistic effect of lactam, ammonium and hydroxyl ammonium based ionic liquids with and without NaCl on the surface phenomena of crude oil/water system. Fluid Phase Equilibria, 2015, 398, 80-97.	2.5	48
132	Composition and Temperature Dependence of Excess Properties of Binary Mixtures of Imidazolium Based Ionic Liquids: II ([C n mim][PF6]) + Propylamine. Journal of Solution Chemistry, 2015, 44, 718-741.	1.2	17
133	Volumetric and Acoustic Properties of a DBU (1,8-Diazobicyclo[5.4.0]undec-7-ene) Based Protic Ionic Liquid in Water at TÂ=Â(293.15 to 328.15)ÂK. Journal of Solution Chemistry, 2015, 44, 634-651.	1.2	22
134	Effect of protic ionic liquid on the volumetric properties of ribose in aqueous solutions. Thermochimica Acta, 2015, 610, 69-77.	2.7	12
135	Volumetric and ultrasonic properties of ternary (sucrose + water + protic ionic liquid) solutions. Journal of Chemical Thermodynamics, 2015, 89, 60-68.	2.0	20
136	The constitutive behavior of ammonium ionic liquids: a physiochemical approach. RSC Advances, 2015, 5, 46881-46889.	3.6	9
137	Volumetric Properties of Disaccharides in Aqueous Solutions of Benzyldimethylammonium Acetate as a Function of Temperature. Journal of Chemical & Engineering Data, 2015, 60, 1764-1775.	1.9	9
138	FT-IR study of excess thermodynamic properties of binary liquid mixtures of p-xylene with 1-alkanols at 303.15K. Journal of Molecular Liquids, 2015, 207, 171-176.	4.9	29
139	Volumetric, acoustic and FT-IR spectroscopic study on ternary and constituent binary mixtures containing N-methylcyclohexylamine, nitrobenzene and 1-alkanols at 303.15K. Journal of Molecular Liquids, 2015, 209, 578-585.	4.9	11
140	Divergent trend in density versus viscosity of ionic liquid/water mixtures: a molecular view from guanidinium ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 25037-25048.	2.8	28
141	Apparent molar properties of hydroxyethyl ammonium based ionic liquids with water and ethanol at various temperatures. Journal of Molecular Liquids, 2015, 212, 444-450.	4.9	27
142	Adsorption of aliphatic ionic liquids at low waxy crude oilâ€“water interfaces and the effect of brine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 62-75.	4.7	54
143	Study on Solvation Behavior of Benzyl Methyl Ammonium Carboxylate Ionic Liquids in N,N-Dimethylformamide by Physicochemical Properties. Journal of Solution Chemistry, 2015, 44, 469-494.	1.2	6
144	Measurement and correlation for the thermophysical properties of novel pyrrolidonium ionic liquids: Effect of temperature and alkyl chain length on anion. Fluid Phase Equilibria, 2015, 386, 65-74.	2.5	55

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145	Volumetric properties of amino acids in aqueous solutions of ammonium based protic ionic liquids. Fluid Phase Equilibria, 2015, 385, 258-274.	2.5	49
146	Effect of temperature on solvation behaviour of diclofenac sodium salt in aqueous glycine and l-proline solutions. Journal of Chemical Thermodynamics, 2015, 82, 125-133.	2.0	22
147	Apparent molar properties of benzyldimethylammonium based protic ionic liquids in water and ethanol at different temperatures. Fluid Phase Equilibria, 2015, 385, 92-104.	2.5	37
148	Effect of protic ionic liquid on the volumetric properties and taste behaviour of sucrose. Food Chemistry, 2015, 169, 478-483.	8.2	59
149	Thermodynamic and Ultrasonic Properties of Ascorbic Acid in Aqueous Protic Ionic Liquid Solutions. PLoS ONE, 2015, 10, e0126091.	2.5	6
150	Volumetric properties of betaine hydrochloride drug in aqueous NaCl and KCl solutions at different temperatures. Thermochimica Acta, 2014, 597, 71-77.	2.7	33
151	Physicochemical properties of low viscous lactam based ionic liquids. Journal of Chemical Thermodynamics, 2014, 74, 255-262.	2.0	83
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