

Harsh Kumar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204
papers

2,574
citations

27
h-index

34
g-index

212
ext. papers

2,983
ext. citations

3.7
avg, IF

6.03
L-index

#	Paper	IF	Citations
204	Mixed micellization behavior of 1-dodecyl-3-methylimidazolium chloride [C12mim][Cl] and benzyldimethyl-n-hexadecylammonium chloride (16-BAC) under the influence of gelatin in aqueous media. <i>Journal of Molecular Liquids</i> , 2022 , 349, 118479	6	2
203	Volumetric and acoustic properties of L-phenyl glycine and L-phenylalanine in aqueous solution of 1-dodecyl-3-methylimidazolium bromide [C12mim] [Br]. <i>Journal of Molecular Liquids</i> , 2022 , 119014	6	0
202	A thermodynamic investigation of the effect of cationic structure on the self-aggregation behavior of Surface-Active ionic liquids in the presence of an amino acid. <i>Journal of Molecular Liquids</i> , 2022 , 354, 118904	6	1
201	Influence of an antibiotic drug neomycin sulphate on mixed micellization behavior of imidazolium based surface-active ionic liquids in aqueous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 642, 128661	5.1	0
200	Micellization, surface activities, and thermodynamic studies on the ionic liquid in the presence of vitamins. <i>Journal of Molecular Liquids</i> , 2022 , 119152	6	0
199	Study of the interactions of monosaccharides D(+)-glucose and D(-)-fructose in aqueous diammonium hydrogen phosphate over the temperature range T=(288.15-318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2022 , 106793	2.9	0
198	Acoustic studies of molecular interactions of chlorhexidine with glycols at different temperatures. <i>Journal of Physics: Conference Series</i> , 2022 , 2267, 012114	0.3	
197	Study of Molecular interactions of glycols with D-Mannitol at different temperature. <i>Journal of Physics: Conference Series</i> , 2022 , 2267, 012047	0.3	
196	Temperature-dependent thermodynamic studies of glycols in aqueous solutions of vitamin B3. <i>Journal of Physics: Conference Series</i> , 2022 , 2267, 012134	0.3	
195	Physicochemical studies of polyethylene glycols in aqueous biotin solutions at different temperatures and constant pressure. <i>Journal of Physics: Conference Series</i> , 2022 , 2267, 012124	0.3	
194	Thermophysical properties of amino acids L-serine and L-leucine in aqueous diammonium hydrogen phosphate solutions: Volumetric and acoustic studies. <i>Journal of Molecular Liquids</i> , 2021 , 117780	6	
193	Solvation properties of l-lysine and l-arginine in aqueous solutions of 1-heptyl-3-methyl imidazolium tetrafluoroborate [C7mim][BF4]at different temperatures. <i>Journal of Molecular Liquids</i> , 2021 , 117996	6	0
192	Volumetric and ultrasonic study of polyethylene glycols in aqueous solutions of niacin at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2021 , 154, 106326	2.9	8
191	Scrutinizing Self-Assembly, Surface Activity and Aggregation Behavior of Mixtures of Imidazolium Based Ionic Liquids and Surfactants: A Comprehensive Review. <i>Frontiers in Chemistry</i> , 2021 , 9, 667941	5	12
190	Volumetric and Ultrasonic Studies of Molecular Interactions of PEG 400 and PEG 4000 in Aqueous Niacin Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2391-2400	2.8	1
189	Volumetric and ultrasonic studies of molecular interactions of glycols in aqueous Niacin (vitamin B3) at different temperatures. <i>Journal of Molecular Liquids</i> , 2021 , 332, 115869	6	6
188	Volumetric and Acoustic Behavior of PEG-200 and PEG-600 in Aqueous D-Mannitol solutions at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2021 , 50, 1079-1102	1.8	0

187	Effect of amino acids (glycine, l-alanine, l-valine and l-leucine) on volumetric and acoustic properties of aqueous 1-Butyl-3-propylimidazolium bromide at T = (288.15, 298.15, 308.15, 318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2021 , 158, 106433	2.9	3
186	Thermo-viscous investigations of molecular interactions for the binary mixtures of polyethylene glycol-400 and polyethylene glycol-600 with dimethyl sulfoxide and water at different temperatures. <i>Journal of Molecular Liquids</i> , 2021 , 334, 115939	6	0
185	Effect of changing alkyl chain in imidazolium based ionic liquid on the micellization behavior of anionic surfactant sodium hexadecyl sulfate in aqueous media. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 970-983	1.5	6
184	Temperature-dependent physicochemical studies of some glycols in aqueous d-mannitol solution. <i>Chemical Papers</i> , 2021 , 75, 1497-1506	1.9	7
183	Exploration of the solvation behavior of the synthesized 1-hexyl-3-methylimidazolium bromide [C6mim][Br] ionic liquid with L-cysteine and N-acetyl L-cysteine) in aqueous medium at different temperatures. <i>Journal of Molecular Liquids</i> , 2021 , 324, 114664	6	1
182	Solvation properties of glycine and glycyglycine in aqueous 1-hexyl-3-methylimidazolium bromide solution at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2021 , 152, 106268	2.9	3
181	Investigations on the micellization behavior and thermodynamic characteristics of synthesized surface active ionic liquids [C14mim][Br] and [C15mim][Br] in the presence of oral antidiabetic drug metformin hydrochloride. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114851	6	4
180	Volumetric and acoustic properties of amino acids L-Leucine and L-Serine in aqueous solution of ammonium dihydrogen phosphate (ADP) at different temperatures and concentrations. <i>Journal of Chemical Thermodynamics</i> , 2021 , 155, 106350	2.9	2
179	Investigations of (solute-solute) and (solute-solvent) interactions in ternary {amino acids+1-dodecyl-3-methylimidazolium bromide [C12mim][Br]+water} mixtures at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2021 , 154, 106340	2.9	1
178	Aggregation Behavior of Mixed Micellar System of Dodecyl Sulfate-Based Surface-Active Ionic Liquids and Anionic Surfactant in Aqueous Media. <i>Journal of Surfactants and Detergents</i> , 2021 , 24, 209-227	1.9	4
177	Interactional Behavior and Hydration Characteristics of Polyhydroxysolutes (d(+)-Xylose and d(+)-Ribose) in Aqueous Solutions of Dipotassium Oxalate at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 915-927	2.8	0
176	Thermodynamic analysis of micelles formation of anionic surfactant SDS in the presence of aqueous and aqueous solution of ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4199	2.1	1
175	Volumetric and acoustic investigation of l-leucine and N-acetyl l-leucine in the aqueous solution of 1-hexyl-3-methylimidazolium bromide [HMIm][Br] at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2021 , 158, 106452	2.9	1
174	Influence of sodium bis(2-ethylhexyl) sulfosuccinate on the self-assembly of AOT based surface-active ionic liquids having different pharmacologically active cations in the aqueous medium. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116872	6	1
173	Temperature-dependent thermodynamic and physicochemical studies of glycols in aqueous biotin solutions. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116605	6	1
172	Scrutinizing the Micellization Behaviour of 14-2-14 Gemini Surfactant and Tetradecyltrimethylammonium Bromide in Aqueous Solutions of Betaine Hydrochloride Drug. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116642	6	4
171	Functionalized Carbon Nanomaterials for Impending Pharmaceutical Applications: A Green and Sustainable Vision 2021 , 423-438		
170	Studies on thermodynamics of micellization of imidazolium-based surface-active ionic liquid [C15mim][Br] in aqueous media: Effect of D(+)-Xylose and D(+)-Glucose. <i>Journal of Molecular Liquids</i> , 2021 , 117645	6	1

169	Temperature dependent physicochemical studies propylene and hexylene glycols in methanol solutions of chlorhexidine. <i>Journal of Molecular Liquids</i> , 2021 , 339, 116810	6	1
168	Studies on volumetric and acoustic behavior of L-alanine and L-leucine in aqueous 1-dodecyl-3-methylimidazolium bromide ionic liquid solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2021 , 342, 117022	6	2
167	Unraveling the micellization behavior and thermodynamic characteristics of imidazolium-based ionic liquid in presence of vitamins thiamine hydrochloride and ascorbic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 630, 127563	5.1	3
166	Effect of ethylene glycol/diethylene glycol/triethylene glycol on the thermodynamics of the aqueous biotin solutions at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2021 , 163, 106584	3.9	0
165	Investigation of surface adsorption and thermodynamic properties of 1-tetradecyl-3-methylimidazolium bromide in the absence and presence of tetrabutylammonium bromide in aqueous medium. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-12	1.5	1
164	Exploration of molecular interaction in binary liquid mixtures of dipropylene glycol dimethyl ether with methyl acetoacetate and ethyl acetoacetate at different temperatures using physicochemical approach. <i>Journal of Chemical Thermodynamics</i> , 2020 , 149, 106166	2.9	3
163	Ultrasonic and volumetric behaviour of glycols with sodium ethylparaben in aqueous medium from T=293.15 to 308.15K at atmospheric pressure. <i>Results in Chemistry</i> , 2020 , 2, 100049	2.1	5
162	Studies on the interactional behaviour of binary liquid mixtures of tripropylene glycol monomethyl ether and butyl amines at different temperatures. <i>Journal of Molecular Liquids</i> , 2020 , 313, 113448	6	1
161	Ultrasonic Velocities of Binary Mixtures of Homologous Series of Ethylene Glycol and Glycerol at Different Temperatures: A Comparative Study. <i>Materials Today: Proceedings</i> , 2020 , 21, 1875-1881	1.4	1
160	Self-Organization of Cationic Surfactant in Hydrophilic Ionic Liquid in Aqueous Media at Various Concentrations. <i>Journal of Physics: Conference Series</i> , 2020 , 1531, 012099	0.3	1
159	Effect of proteinogenic amino acids l-serine/l-threonine on volumetric and acoustic behavior of aqueous 1-butyl-3-propyl imidazolium bromide at T=(288.15, 298.15, 308.15, 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2020 , 150, 106211	2.9	7
158	Volumetric and ultrasonic studies of molecular interactions of glycols in aqueous glutaraldehyde solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113763	6	7
157	Volumetric and Ultrasonic Studies on Interactions of Glycols in Aqueous Solutions of Xylitol at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 1435-1446	2.8	14
156	Temperature-Dependent Thermodynamic Properties of Amino Acids in Aqueous Imidazolium-Based Ionic Liquid. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 1473-1487	2.8	11
155	Influence of 1-hexyl-3-methylimidazolium bromide ionic liquid on the volumetric and acoustic properties of amino acids (L-alanine and L-phenylalanine) at different temperatures. <i>Journal of Molecular Liquids</i> , 2020 , 304, 112666	6	13
154	Volumetric, acoustic and infrared spectroscopic study of amino acids in aqueous solutions of pyrrolidinium based ionic liquid, 1-Butyl-3-methyl pyrrolidinium bromide. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112592	6	12
153	Modulations in Self-Organization Properties of Surfactant in Aqueous Ionic Liquid Media. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 1603-1621	3.1	8
152	Study of Thermodynamic and Acoustic Properties of Niacin in Aqueous Hexylene Glycol and Propylene Glycol at Different Temperatures. <i>ACS Omega</i> , 2020 , 5, 32357-32365	3.9	7

151	Deciphering aggregation behavior and thermodynamic properties of anionic surfactant sodium hexadecyl sulfate in aqueous solutions of ionic liquids [C5mim][Br] and [C6mim][Br]. <i>Journal of Molecular Liquids</i> , 2020 , 298, 111949	6	7
150	Intermolecular investigation of polyethylene glycols with butyl paraben in methanol medium attributing volumetric, ultrasonic and thermo-physical properties. <i>Journal of Molecular Liquids</i> , 2020 , 298, 112000	6	2
149	Exploration of the soluting-out effect of carbohydrates on the micellization and surface activity of long-chain imidazolium ionic liquid in the aqueous medium. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114209	6	2
148	Analysis of the micellar properties of surfactants dodecyl trimethylammonium bromide and dodecyl trimethylammonium chloride in aqueous ionic liquids solution. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-20	1.5	0
147	Theoretical and experimental ultrasonic velocities Comparison of binary mixtures of triethylene glycols and glycerol at different temperatures. <i>Journal of Physics: Conference Series</i> , 2020 , 1531, 012014	0.3	0
146	Study of intermolecular interaction of binary mixture of adrenaline and KOH. <i>Journal of Physics: Conference Series</i> , 2020 , 1531, 012015	0.3	1
145	Induced Alterations in the Aggregation Behavior and Thermodynamic Properties of Anionic Surfactant Sodium Tetradecyl Sulfate (STS) in presence of Imidazolium Based Ionic Liquid in Aqueous Media: A Conductometric Study. <i>Journal of Physics: Conference Series</i> , 2020 , 1531, 012100	0.3	
144	Volumetric and ultrasonic investigation of polyethylene glycols (PEG-200 and PEG-600) in aqueous solutions of sodium methylparaben at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2020 , 140, 105916	2.9	8
143	Apparent molar properties of glycols in methanol solutions of propyl 4-hydroxybenzoate (propylparaben) at T = (293.15 to 308.15) K: an acoustic and volumetric approach. <i>Physics and Chemistry of Liquids</i> , 2020 , 58, 803-819	1.5	3
142	Mixing properties of binary liquid mixtures of dipropylene glycol dimethyl ether (DPGDME) with 2-propanol, 1-butanol and 2-butanol at different temperatures. <i>Journal of Molecular Liquids</i> , 2019 , 276, 562-569	6	9
141	Investigation on molecular interaction of glycols in methanol solutions of methylparaben (methyl 4 hydroxybenzoate) at different temperatures through thermo-acoustical analysis. <i>Journal of Molecular Liquids</i> , 2019 , 288, 111014	6	21
140	Investigations on the temperature dependent volumetric and ultrasonic properties of structural isomers D(+)-glucose and D(β)-fructose in aqueous dipotassium oxalate solutions. <i>Journal of Chemical Thermodynamics</i> , 2019 , 138, 229-239	2.9	2
139	Molecular interactions of some non-essential amino acids in aqueous solutions of 1-methylimidazolium chloride at different temperatures. <i>Journal of Molecular Liquids</i> , 2019 , 279, 711-718	6	7
138	Exploration of solute-solvent interactions in aqueous mixtures of monosaccharides and triammonium citrate (TAC) at different temperatures: Volumetric and acoustic approach. <i>Journal of Chemical Thermodynamics</i> , 2019 , 139, 105877	2.9	4
137	Densities and Speeds of Sound for Sucrose in Aqueous Solutions of Ammonium Phosphate Salts at Different Temperatures through Density and Speed of Sound Measurements. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3772-3780	2.8	7
136	Role of Gluten in Surface Chemistry: Nanometallic Bioconjugation of Hard, Medium, and Soft Wheat Protein. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 7886-7897	5.7	1
135	Acoustic, volumetric and spectral studies of binary liquid mixtures of aliphatic dialkylamine and 2-alkanols at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2019 , 132, 1-8	2.9	15
134	Temperature and concentration dependence towards physicochemical and FTIR spectral studies of glycine, L-alanine and L-valine in aqueous solutions of nortriptyline hydrochloride. <i>Journal of Chemical Thermodynamics</i> , 2019 , 130, 213-227	2.9	6

133	Study of viscometric properties of L-ascorbic acid in binary aqueous mixtures of D-glucose and D-fructose. <i>Physics and Chemistry of Liquids</i> , 2019 , 57, 139-150	1.5	1
132	Temperature dependent physicochemical and spectroscopic (FT-IR) studies of citrate salts (trilithium citrate and triammonium citrate) in aqueous ionic liquid [C4mim][BF4] (1-butyl-3-methylimidazolium tetrafluoroborate) solutions. <i>Journal of Molecular Liquids</i> , 2018 , 256, 148-162	6	4
131	Spectroscopic and temperature dependent physicochemical studies on interactional behavior of phosphate salts in aqueous ionic liquid (1-butyl-3-methylimidazolium tetrafluoroborate) solutions. <i>Journal of Molecular Liquids</i> , 2018 , 251, 273-285	6	2
130	Analysing the molecular interactions of sucrose in aqueous triammonium citrate and trilithium citrate solutions at different temperatures $T = (288.15 \text{B}18.15) \text{ K}$ through volumetric and ultrasonic investigations. <i>Journal of Chemical Thermodynamics</i> , 2018 , 125, 17-31	2.9	7
129	Aggregation behaviour of cationic (cetyltrimethylammonium bromide) and anionic (sodium dodecylsulphate) surfactants in aqueous solution of synthesized ionic liquid [1-pentyl-3-methylimidazolium bromide] -Conductivity and FT-IR spectroscopic studies. <i>Journal of Molecular Liquids</i> , 2018 , 258, 285-294	6	18
128	Volumetric, acoustic and spectroscopic studies (FT-IR) of trisodium (TSC) and tripotassium citrate (TPC) in aqueous solution of ionic liquid 1-butyl-3-methylimidazolium tetrafluoro borate [C 4 mim][BF 4] at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2018 , 116, 85-96	2.9	16
127	Interaction of cationic surfactant cetyltrimethylammonium bromide (CTAB) with hydrophilic ionic liquid 1-butyl-3-methylimidazolium chloride [C4mim][Cl] at different temperatures \square Conductometric and FT-IR spectroscopic study. <i>Journal of Molecular Liquids</i> , 2018 , 266, 252-258	6	19
126	Temperature dependent physicochemical studies of polyethylene glycols (PEG-400 and PEG-4000) in aqueous sorbitol solutions. <i>Journal of Molecular Liquids</i> , 2018 , 268, 700-706	6	21
125	Acoustic and thermodynamic study of D-Panthenol in aqueous solutions of glycol at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2018 , 126, 137-146	2.9	24
124	Acoustical and volumetric investigation of polyethylene glycol 400 and polyethylene glycol 4000 in aqueous solutions of glycerol at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2018 , 127, 8-16	2.9	17
123	Applications of rice protein in nanomaterials synthesis, nanocolloids of rice protein, and bioapplicability. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 394-404	7.9	9
122	Thermodynamic Interactions Study of Some Ethylene Glycols in Aqueous Aniline Solutions at Different Temperatures: An Acoustical and Volumetric Approach. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3237-3251	2.8	15
121	Studies on the interactions behaviour of polyhydroxy solutes d (+)-glucose and d (B)-fructose in aqueous triammonium citrate solutions over temperature range $T = (288.15 \text{B}18.15) \text{ K}$. <i>Journal of Chemical Thermodynamics</i> , 2018 , 119, 1-12	2.9	10
120	FT-IR spectroscopic and micellization studies of cetyltrimethylammonium bromide in aqueous and aqueous solution of ionic liquid (1-butyl-3-methylimidazolium bromide) at different temperatures. <i>Journal of Molecular Liquids</i> , 2018 , 249, 227-232	6	24
119	Naringin-Chalcone Bioflavonoid-Protected Nanocolloids: Mode of Flavonoid Adsorption, a Determinant for Protein Extraction. <i>ACS Omega</i> , 2018 , 3, 15606-15614	3.9	7
118	Effect of Citrate Salts on the Volumetric and Ultrasonic Properties of Sucrose in Aqueous Solutions at Temperatures $T = (288.15 \text{B}18.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3769-3783	2.8	5
117	Volumetric and ultrasonic studies on interactions of ethylene glycol, diethylene glycol and triethylene glycol in aqueous solutions of glycerol at temperatures $T = (293.15 \text{ K B}08.15) \text{ K}$. <i>Journal of Chemical Thermodynamics</i> , 2018 , 125, 93-106	2.9	22
116	Study of solvation consequences of glycine, L-alanine and L-valine in aqueous 1-butyl-4-methylpyridinium chloride ionic liquid solutions probed by physicochemical approach in the temperature interval $(288.15 \text{B}08.15) \text{ K}$. <i>Journal of Chemical Thermodynamics</i> , 2017 , 110, 137-153	2.9	11

115	Study of interactions of d(+)-glucose and d(β)-fructose with trillithium citrate in aqueous medium through volumetric and ultrasonic properties over the temperature range T=(288.15-318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 106, 59-70	2.9	14
114	Volumetric and ultrasonic properties of α-amino acids (glycine, l-alanine and l-valine) in aqueous diammonium hydrogen phosphate at different temperatures and concentrations. <i>Journal of Molecular Liquids</i> , 2017 , 241, 751-763	6	11
113	Temperature dependence of the volumetric and acoustic behaviour of aqueous mixtures of monosaccharides and trillithium citrate. <i>Journal of Chemical Thermodynamics</i> , 2017 , 113, 52-63	2.9	7
112	Thermodynamic properties of glycine and diglycine in aqueous solutions of 1-pentyl-3-methylimidazolium chloride at different temperatures. <i>Journal of Molecular Liquids</i> , 2017 , 229, 417-423	6	10
111	Properties of L-ascorbic acid in water and binary aqueous mixtures of D-glucose and D-fructose at different temperatures. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 2389-2396	0.7	3
110	Investigation on Temperature-Dependent Volumetric and Acoustical Properties of Homologous Series of Glycols in Aqueous Sorbitol Solutions. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3769-3782	2.8	27
109	Exploring molecular interactions of aliphatic α-amino acids glycine, l-alanine, l-valine in aqueous potassium oxalate solutions from 288.15 K to 318.15 K through thermo-acoustical analysis. <i>Journal of Molecular Liquids</i> , 2017 , 244, 27-38	6	12
108	Synthesis and study of interactions of ionic liquid 1-methyl-3-pentylimidazolium bromide with amino acids at different temperatures. <i>Journal of Molecular Liquids</i> , 2017 , 242, 560-570	6	17
107	Volumetric and acoustic studies of amino acids in aqueous ionic liquid solution. <i>Journal of Molecular Liquids</i> , 2017 , 242, 739-746	6	7
106	Synthesis and thermodynamics studies of ionic liquid 1-methyl-3-pentylimidazolium bromide ([C 5 mim][Br]) with amino acids (l-cysteine and N-acetyl- l-cysteine) at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2017 , 111, 238-249	2.9	8
105	Densities and Speeds of Sound of Solutions of Glycine, l-Alanine, and l-Valine in Aqueous Ammonium Dihydrogen Phosphate at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3138-3150	2.8	7
104	Effect of 1-butyl-4-methyl pyridinium iodide, [C4mpy]I, ionic liquid on hydration behaviour of aqueous solutions of α-amino acids at different temperatures through volumetric and ultrasonic study. <i>Journal of Chemical Thermodynamics</i> , 2017 , 115, 318-331	2.9	4
103	Mode of Protein Complexes on Gold Nanoparticles Surface: Synthesis and Characterization of Biomaterials for Hemocompatibility and Preferential DNA Complexation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1082-1093	8.3	20
102	Investigations on molecular interaction of some amino acids with the drug levofloxacin in aqueous solution by volumetric and acoustic methods at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2017 , 105, 94-104	2.9	29
101	Densities and Speeds of Sound of d(+)-Glucose, d(β)-Fructose, d(+)-Xylose and d(β)-Ribose in Aqueous Tripotassium Citrate Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2244-2259	2.8	10
100	Solvation Behavior of Glycine, l-Alanine, and l-Valine in Aqueous Solutions of Triammonium Citrate at Different Temperatures with Reference to Speeds of Sound Measurements. <i>International Journal of Thermophysics</i> , 2016 , 37, 1	2.1	4
99	Thermodynamic study of N-acetyl glycine in aqueous tetraethylammonium iodide solutions in the temperature interval (288.15 to 308.15)K: Volumetric and acoustic study. <i>Journal of Chemical Thermodynamics</i> , 2016 , 94, 74-84	2.9	8
98	Effect of l-serine and l-threonine on volumetric and acoustic behaviour of aqueous metformin hydrochloride solutions at T= (305.15, 310.15 and 315.15) K. <i>Journal of Chemical Thermodynamics</i> , 2016 , 95, 1-14	2.9	43

97	Solvation behavior of some amino acids in aqueous solutions of non-steroidal anti-inflammatory drug sodium ibuprofen at different temperatures analysed by volumetric and acoustic methods. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 214-230	2.9	30
96	Volumetric, ultrasonic and UV absorption studies on interactions of antibiotic drug chloramphenicol with glycine and its dipeptide in aqueous solutions at T = (288.15-318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2016 , 99, 16-29	2.9	29
95	Effect of temperature on viscometric properties of aliphatic amino acids glycine/l-alanine/l-valine in aqueous solutions of tetraethylammonium iodide. <i>Journal of Molecular Liquids</i> , 2016 , 216, 516-525	6	14
94	Interionic interactions of glycine, l-alanine, glycylglycine and phenylalanine in aqueous 1-hexyl-3-methylimidazolium chloride ionic liquid solutions at T= (288.15 to 308.15) K: Volumetric, speed of sound and viscometric measurements. <i>Journal of Molecular Liquids</i> , 2016 , 218, 68-82	6	33
93	Volumetric, acoustic and viscometric behaviour of dipotassium hydrogen phosphate and disodium hydrogen phosphate in aqueous solution of N-acetyl glycine at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 94, 204-220	2.9	20
92	Volumetric and Acoustic Behavior of d(+)-glucose and d(l)-fructose in Aqueous Trisodium Citrate Solutions at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2016 , 45, 1-27	1.8	33
91	Thermodynamic and acoustical study of zinc oxide-nematic liquid crystals mixtures. <i>Journal of Molecular Liquids</i> , 2016 , 214, 145-148	6	3
90	Thermodynamics of (solute + solute) and (solute + solvent) interactions of homologous series of amino acids with thiamine hydrochloride in aqueous medium at T = (305.15, 310.15, 315.15) K: A volumetric and acoustic approach. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 48-62	2.9	33
89	Densities and Speeds of Sound of Antibiotic Drug Chloramphenicol with l-Leucine and Glycyl-l-leucine in Aqueous Medium at T = (288.15-318.15) K: A Volumetric, Ultrasonic, and UV Absorption Study. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3740-3751	2.8	28
88	Volumetric and ultrasonic investigation of molecular interactions of l-serine and l-threonine in aqueous nicotinamide solutions at T= (288.15-318.15) K. <i>Journal of Molecular Liquids</i> , 2016 , 219, 756-764	6	20
87	Effect of N-acetylglycine on volumetric and acoustic behaviour of aqueous tetrabutylammonium iodide solutions at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 96, 143-152	2.9	7
86	Modulating the mixed micellization of CTAB and an ionic liquid 1-hexadecyl-3-methylimidazolium bromide via varying physical states of ionic liquid. <i>RSC Advances</i> , 2016 , 6, 38238-38251	3.7	8
85	Study of thermodynamic properties of sodium dodecyl sulphate in aqueous solutions of alkoxyalkanols at different temperatures. <i>Journal of Molecular Liquids</i> , 2016 , 221, 526-534	6	10
84	Transport behavior of aliphatic amino acids glycine/l-alanine/l-valine and hydroxyl amino acids l-serine/l-threonine in aqueous trilithium citrate solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2015 , 206, 343-349	6	18
83	Studies of interionic interactions of l-serine/l-threonine in aqueous trilithium citrate solutions using density and speeds of sound measurements at different temperatures. <i>Journal of Molecular Liquids</i> , 2015 , 208, 170-182	6	32
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81	Densities and Speeds of Sound of Glycine, l-Alanine, and l-Valine in Aqueous 1-Ethyl-3-methylimidazolium Chloride Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1217-1226	2.8	17
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54	Solute-solvent interactions of alkyl acetoacetates in aqueous {1-butyl-3-methylimidazolium bromide [bmim][Br]} ionic liquid solutions in the temperature interval (288.15-308.15)K. <i>Thermochimica Acta</i> , 2014 , 577, 79-86	2.9	4
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49	Solvation behavior of dipeptides of alanine in aqueous solutions of antibacterial drug ampicillin at different temperatures. <i>Thermochimica Acta</i> , 2013 , 571, 28-41	2.9	10
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44	Densities and Speeds of Sound of l-Serine with Aqueous Solutions of Antibacterial Drugs at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 203-208	2.8	38

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41	Interactions of glycine, L-alanine and L-valine with aqueous solutions of trisodium citrate at different temperatures: A volumetric and acoustic approach. <i>Journal of Chemical Thermodynamics</i> , 2013 , 67, 170-180	2.9	50
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