

Tarlok Singh Banipal

List of Publications by Citations

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126
papers

2,527
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128
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2,704
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
126	Apparent Molar Volumes and Viscosities of Some Amino Acids in Aqueous Sodium Acetate Solutions at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1236-1246	2.8	100
125	Aqueous Phase Surfactant Selective Shape Controlled Synthesis of Lead Sulfide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18087-18098	3.8	79
124	Study of Interactions between Amino Acids and Zinc Chloride in Aqueous Solutions through Volumetric Measurements at T = (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1803-1816	2.8	73
123	How PEO-PPO-PEO triblock polymer micelles control the synthesis of gold nanoparticles: temperature and hydrophobic effects. <i>Langmuir</i> , 2010 , 26, 11363-71	4	72
122	Densities, Partial Molar Volumes, and Heat Capacities of Glycine, l-Alanine, and l-Leucine in Aqueous Magnesium Chloride Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 553-565	2.8	70
121	Volumetric and viscometric studies on L-ascorbic acid, nicotinic acid, thiamine hydrochloride and pyridoxine hydrochloride in water at temperatures (288.15-318.15)K and at atmospheric pressure. <i>Thermochimica Acta</i> , 2013 , 553, 31-39	2.9	66
120	Partial Molar Volumes of Transfer of Some Amino Acids from Water to Aqueous Glycerol Solutions at 25°C. <i>Journal of Solution Chemistry</i> , 2001 , 30, 657-670	1.8	65
119	Studies on volumetric properties of some saccharides in aqueous potassium chloride solutions over temperature range (288.15 to 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 452-483	2.9	63
118	Partial molal adiabatic compressibilities of transfer of some amino acids and peptides from water to aqueous sodium chloride and aqueous glucose solutions. <i>Thermochimica Acta</i> , 1995 , 262, 175-183	2.9	62
117	Thermodynamic study of solvation of some amino acids, diglycine and lysozyme in aqueous and mixed aqueous solutions. <i>Thermochimica Acta</i> , 2004 , 412, 63-83	2.9	57
116	Volumetric and Viscometric Studies of Some Amino Acids in Aqueous Solutions of Cadmium Chloride at T = (288.15 to 318.15) K and at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2751-2760	2.8	54
115	Effect of sodium acetate on the volumetric behaviour of some mono-, di-, and tri-saccharides in aqueous solutions over temperature range (288.15 to 318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 90-103	2.9	54
114	Thermodynamic and transport properties of l-serine and l-threonine in aqueous sodium acetate and magnesium acetate solutions at T = 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 371-384	2.9	53
113	Biom mineralization of gold nanoparticles by lysozyme and cytochrome C and their applications in protein film formation. <i>Langmuir</i> , 2010 , 26, 13535-44	4	47
112	Surfactant Selective Synthesis of Gold Nanowires by Using a DPPC Surfactant Mixture as a Capping Agent at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5932-5940	3.8	47
111	Tuning the Shape and Size of Gold Nanoparticles with Triblock Polymer Micelle Structure Transitions and Environments. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10442-10454	3.8	44
110	Partial molar heat capacities and volumes of transfer of some saccharides from water to aqueous sodium chloride solutions at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2002 , 34, 1825-1846	2.9	44

109	Hydration behaviour of some mono-, di-, and tri-saccharides in aqueous sodium gluconate solutions at (288.15, 298.15, 308.15 and 318.15)K: volumetric and rheological approach. <i>Food Chemistry</i> , 2015 , 168, 142-50	8.5	41
108	Influence of NH ₄ Br on Solvation Behavior of Polyhydroxy Solutes in Aqueous Solutions at Different Temperatures and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1023-1047	2.8	40
107	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	40
106	Stabilization of PbS Nanocrystals by Bovine Serum Albumin in its Native and Denatured States. <i>Advanced Functional Materials</i> , 2009 , 19, 1451-1458	15.6	40
105	Effect of Head Groups, Temperature, and Polymer Concentration on Surfactant-Polymer Interactions. <i>Journal of Surfactants and Detergents</i> , 2014 , 17, 1181-1191	1.9	39
104	Volumetric Investigations on Interactions of Acidic/Basic Amino Acids with Sodium Acetate, Sodium Propionate and Sodium Butyrate in Aqueous Solutions. <i>Journal of Solution Chemistry</i> , 2007 , 36, 1635-1667	1.8	39
103	Protein Films of Bovine Serum Albumen Conjugated Gold Nanoparticles: A Synthetic Route from Bioconjugated Nanoparticles to Biodegradable Protein Films. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2982-2992	3.8	36
102	Effect of magnesium acetate on the volumetric and transport behavior of some amino acids in aqueous solutions at 298.15K. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1214-1226	2.9	35
101	Volumetric and Viscometric Properties of Some Sulpha Drugs in Aqueous Solutions of Sodium Chloride at T= (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3872-3881	2.8	34
100	Surface Activity of Highly Hydrophobic Surfactants and Platelike PbSe and CuSe Nanoparticles. <i>Crystal Growth and Design</i> , 2010 , 10, 1813-1822	3.5	34
99	Effect of Ammonium Salts on the Volumetric and Viscometric Behavior of D(+)-Glucose, D(-)-Fructose and Sucrose in Aqueous Solutions at 25°C. <i>Journal of Solution Chemistry</i> , 2006 , 35, 815-844	1.8	31
98	Effect of magnesium chloride (2:1 electrolyte) on the aqueous solution behavior of some saccharides over the temperature range of 288.15-318.15 K: a volumetric approach. <i>Carbohydrate Research</i> , 2010 , 345, 2262-71	2.9	30
97	Au and AuAg bimetallic nanoparticles synthesized by using 12-3-12 cationic Gemini surfactant as template. <i>Materials Letters</i> , 2007 , 61, 5004-5009	3.3	28
96	Cloud Point and Surface Tension Studies of Triblock Copolymer-Ionic Surfactant Mixed Systems in the Presence of Amino Acids or Dipeptides and Electrolytes. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 3995-4001	2.8	27
95	Biom mineralization of BSA-Chalcogenide Bioconjugate Nano- and Microcrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9121-9127	3.8	27
94	Thermodynamic studies on the interactions of diglycine with magnesium chloride in aqueous medium at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1592-1605	2.9	27
93	Interactions of some amino acids with aqueous manganese chloride tetrahydrate at T = (288.15 to 318.15) K: A volumetric and viscometric approach. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 181-189	2.9	26
92	Densities and Partial Molar Volumes of Some Amino Acids and Diglycine in Aqueous n-Propanol Solutions at 25°C. <i>Journal of Solution Chemistry</i> , 2003 , 32, 997-1015	1.8	26

91	Interactions of some peptides with sodium acetate and magnesium acetate in aqueous solutions at 298.15 K: A volumetric approach. <i>Journal of Molecular Liquids</i> , 2008 , 140, 54-60	6	25
90	Exploring the thermodynamics and conformational aspects of nicotinic acid binding with bovine serum albumin: a detailed calorimetric, spectroscopic and molecular docking study. <i>RSC Advances</i> , 2016 , 6, 34754-34769	3.7	25
89	Thermodynamic and Transport Properties of Some Disaccharides in Aqueous Ammonium Sulfate Solutions at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1713-1724	2.8	24
88	Micellization Behavior of the 14-2-14 Gemini Surfactant with Some Conventional Surfactants at Different Temperatures. <i>Journal of Surfactants and Detergents</i> , 2011 , 14, 235-244	1.9	23
87	Temperature effect on the viscosity and heat capacity behaviour of some amino acids in water and aqueous magnesium chloride solutions. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 344-360	2.9	23
86	Effect of tartarate and citrate based food additives on the micellar properties of sodium dodecylsulfate for prospective use as food emulsifier. <i>Food Chemistry</i> , 2016 , 190, 599-606	8.5	22
85	Volumetric and Viscometric Studies on Saccharide-Disodium Tetraborate (Borax) Interactions in Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2355-2374	2.8	22
84	Effect of Sodium Sulphate on the Volumetric, Rheological and Refractometric Properties of some Disaccharides in Aqueous Solutions at Different Temperatures. <i>Zeitschrift Fur Physikalische Chemie</i> , 2008 , 222, 177-204	3.1	21
83	Effect of food preservatives on the hydration properties and taste behavior of amino acids: a volumetric and viscometric approach. <i>Food Chemistry</i> , 2015 , 181, 339-46	8.5	20
82	Volumetric properties of 1-butyl-3-methylimidazolium bromide in aqueous solutions of D-ribose and D-arabinose at different temperatures. <i>Journal of Molecular Liquids</i> , 2015 , 209, 352-357	6	20
81	Nanoparticle Surface Specific Adsorption of Zein and Its Self-assembled Behavior of Nanocubes Formation in Relation to On-Off SERS: Understanding Morphology Control of Protein Aggregates. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 596-607	5.7	20
80	Densities and Viscosities of Glycine, dl-Alanine, dl-Amino-n-butyric Acid, and l-Leucine in Aqueous 1,2-Propanediol Solutions at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 1391-1395	2.8	20
79	Excess Gibbs energy for binary mixtures containing carboxylic acids. 1. Excess Gibbs energy for acetic acid + cyclohexane, + benzene, and + n-heptane. <i>Journal of Chemical & Engineering Data</i> , 1984 , 29, 277-280	2.8	20
78	Volumetric studies on nucleic acid bases and nucleosides in aqueous guanidine hydrochloride solutions at T = (288.15 to 318.15) K and at atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2015 , 82, 12-24	2.9	19
77	Novel Biodegradable Films with Extraordinary Tensile Strength and Flexibility Provided by Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 127-136	8.3	19
76	Physicochemical aspects of the energetics of binding of sulphanic acid with bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 170, 214-25	4.4	19
75	Ultrasonic Studies of Some Mono-, Di-, and Tri-Saccharides in Aqueous Sodium Acetate Solutions at Different Temperatures. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013 , 227, 1707-1722	3.1	19
74	Lamellar phase supported synthesis of colloidal gold nanoparticles, nanoclusters, and nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 916-24	1.3	19

73	Mixed Micellization Behavior of m-2-m Gemini Surfactants with Some Conventional Surfactants at Different Temperatures. <i>Journal of Surfactants and Detergents</i> , 2012 , 15, 327-338	1.9	18
72	Binding studies of caffeine and theophylline to bovine serum albumin: Calorimetric and spectroscopic approach. <i>Journal of Molecular Liquids</i> , 2016 , 223, 1048-1055	6	17
71	Effect of sodium chloride on the interactions of ciprofloxacin hydrochloride with sodium dodecyl sulfate and hexadecyl trimethylammonium bromide: Conductometric and spectroscopic approach. <i>Journal of Molecular Liquids</i> , 2018 , 255, 113-121	6	16
70	Studies on the binding ability of diclofenac sodium to cationic surfactants micelles in aqueous ethanol solutions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 501-511	4.1	16
69	Volumetric Properties of Some α -Aminocarboxylic Acids in Aqueous Sodium Acetate and Magnesium Acetate Solutions at T= (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4864-4871	2.8	15
68	Viscosities of Some Saccharides in Aqueous Solutions of Phosphate-Based Inorganic Salts. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1992-2001	2.8	15
67	Solvation behavior of some vitamins in aqueous solutions of sodium chloride at different temperatures and at atmospheric pressure. <i>Thermochimica Acta</i> , 2013 , 572, 6-22	2.9	14
66	Modulation in physico-chemical characteristics of some polyhydroxy solutes in presence of l-glycine: Volumetric and NMR spectroscopic approach. <i>Fluid Phase Equilibria</i> , 2015 , 402, 113-123	2.5	14
65	Synergistic mixing of L64 with various surfactants of identical hydrophobicity under the effect of temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 278, 218-228	5.1	14
64	Volumetric and UV absorption studies on understanding the solvation behavior of polyhydroxy solutes in l-ascorbic acid(aq) solutions at T=(288.15 to 318.15)K. <i>Food Chemistry</i> , 2016 , 192, 765-74	8.5	13
63	Effects of phosphate-based monobasic and tribasic inorganic salts on hydration characteristics of saccharides and their derivatives. <i>Journal of Molecular Liquids</i> , 2015 , 211, 78-89	6	13
62	Effect of sodium acetate on the rheological behaviour of some mono-, di-, and tri-saccharides in aqueous solutions over the temperature range (288.15 to 318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 290-299	2.9	13
61	Synthesis of nanocomposite gold-semiconductor materials by seed-growth method. <i>Materials Letters</i> , 2007 , 61, 3762-3767	3.3	13
60	Investigations on micellization and surface properties of sodium dodecyl sulfate in aqueous solutions of triflupromazine hydrochloride at different temperatures. <i>Journal of Molecular Liquids</i> , 2016 , 218, 112-119	6	12
59	Rheological behaviour of some saccharides in aqueous potassium chloride solutions over temperature range (288.15 to 318.15)K. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 1024-1035	2.9	12
58	Volumetric and Viscometric Studies of Some Metal Acetates in Aqueous Solutions at T = (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2758-2765	2.8	12
57	Study of interactions of l-aspartic acid and l-glutamic acid with some metal acetates through volumetric behaviour over the temperature range (288.15 to 318.15) K. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1166-1185	2.9	12
56	Influence of polyhydroxy compounds on the micellization behaviour of cetyltrimethylammonium bromide: Conductance and microcalorimetric investigations. <i>Journal of Molecular Liquids</i> , 2016 , 223, 1204-1212 ¹²	6	12

55	Interactions of diazepam with sodium dodecylsulfate and hexadecyl trimethyl ammonium bromide: Conductometric, UV-visible spectroscopy, fluorescence and NMR studies. <i>Journal of Molecular Liquids</i> , 2017 , 236, 331-337	6	11
54	Excess Gibbs energy for binary mixtures containing carboxylic acids. 3. Excess Gibbs energy for isobutyric acid and trimethylacetic acid + cyclohexane and + n-heptane. <i>Journal of Chemical & Engineering Data</i> , 1987 , 32, 402-406	2.8	10
53	Excess Gibbs energy for binary mixtures containing carboxylic acids. 2. Excess Gibbs energy for propionic acid + cyclohexane and + n-heptane. <i>Journal of Chemical & Engineering Data</i> , 1985 , 30, 286-288	2.8	10
52	Solvation behavior of some nucleic acid bases and nucleosides in water and in aqueous guanidine hydrochloride solutions: Viscometric, calorimetric and spectroscopic approach. <i>Journal of Chemical Thermodynamics</i> , 2016 , 95, 149-158	2.9	10
51	Solvation behavior and sweetness response of carbohydrates, their derivatives and sugar alcohols in thiamine HCl (vitamin B1) and pyridoxine HCl (vitamin B6) at different temperatures. <i>Food Chemistry</i> , 2017 , 237, 181-190	8.5	9
50	Deciphering the complexation process of a fluoroquinolone antibiotic, levofloxacin, with bovine serum albumin in the presence of additives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 191, 259-270	4.4	9
49	Effect of Sodium Acetate and Magnesium Acetate on the Solution Behavior of Some Amino Acids in Water at 298.15 K: A Compressibility Approach. <i>Zeitschrift Fur Physikalische Chemie</i> , 2006 , 220, 1049-1069	3.1	9
48	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	9
47	Volumetric, viscometric and ¹ H NMR spectroscopic studies in (polyhydroxy solute + CTAB + H ₂ O) ternary solutions. <i>Journal of Chemical Thermodynamics</i> , 2017 , 112, 13-22	2.9	8
46	Study on the interactional behaviour of transition metal ions with myoglobin: A detailed calorimetric, spectroscopic and light scattering analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 174, 236-244	4.4	8
45	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	2.8	8
44	Studies on the Interactions of Saccharides and Methyl Glycosides with Lithium Chloride in Aqueous Solutions at (288.15 to 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2437-2455	2.8	8
43	Mixed Micellar and Interfacial Interactions of a Triblock Polymer (EO37PO56EO37) with a Series of Monomeric and Dimeric Surfactants. <i>Journal of Surfactants and Detergents</i> , 2013 , 16, 881-891	1.9	8
42	Volumetric, Viscometric and Spectroscopic Approach to Study the Solvation Behavior of Xanthine Drugs in Aqueous Solutions of NaCl at T = 288.15-318.15 K and at p = 101.325 kPa. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 20-34	2.8	8
41	Probing the binding ability of vitamin B1 with bovine serum albumin: Calorimetric, light scattering, spectroscopic and volumetric studies. <i>Journal of Chemical Thermodynamics</i> , 2018 , 127, 59-70	2.9	7
40	Modulation of physicochemical and spectroscopic properties of l-serine and l-proline by propionate based food preservatives. <i>Food Chemistry</i> , 2016 , 209, 220-7	8.5	6
39	Mixed Micellization Behavior of 12-2-12 Gemini Surfactant with Some Alkyltrimethyl Ammonium Bromide Surfactants. <i>Journal of Dispersion Science and Technology</i> , 2011 , 32, 881-887	1.5	6
38	Interactions in the mixed micelles of monomeric and gemini surfactants: Influence of some co-solvents as a function of temperature. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 3847-3862	5.9	6

37	Influence of Phosphate-Based Salts on Enthalpy of Dilution and Isentropic Compressibility Properties of Saccharides and Their Derivatives in Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 517-528	2.8	5
36	Investigations to explore interactions in (polyhydroxy solute + l-ascorbic acid + H ₂ O) solutions at different temperatures: Calorimetric and viscometric approach. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 322-332	2.9	5
35	Local anesthetic-bovine serum albumin interactional behaviour: Characterization by volumetric, calorimetric, and spectroscopic methods. <i>Journal of Molecular Liquids</i> , 2017 , 243, 91-101	6	5
34	Physico-chemical effects of caffeine on aqueous solutions of pyrimidine based model compounds of nucleic acids. <i>Journal of Molecular Liquids</i> , 2016 , 221, 721-732	6	5
33	Elucidation of Interactions between l-Ascorbic Acid and Mixed Micellar Aggregates of Catanionic {Sodium Dodecylsulfate + Cetyltrimethylammonium Bromide} Surfactants via Physicochemical and Spectroscopic Studies. <i>Journal of Surfactants and Detergents</i> , 2020 , 23, 305-318	1.9	5
32	Volumetric, Viscometric, and ¹ H NMR Studies on Caffeine, Theophylline, and Theobromine in Aqueous Solutions of MgCl ₂ at Temperatures T = (288.15 to 318.15) K and at Pressure p = 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3833-3847	2.8	4
31	Study on interactions of vitamin B1 with sodium dodecyl sulfate for potential food applications: Conductometric, volumetric, calorimetric and spectroscopic approach. <i>Journal of Molecular Liquids</i> , 2019 , 285, 616-625	6	4
30	Calorimetric and isentropic compressibility studies on (saccharide/methyl glycoside/deoxy-derivative + KH ₂ PO ₄ + H ₂ O) solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2016 , 215, 603-611	6	4
29	Effect of Hydrophobicity and Temperature on the Interactions in the Mixed Micelles of Triblock Polymers [(EO76PO29EO76) and (EO19PO69EO19)] with Monomeric and Gemini Surfactants. <i>Journal of Surfactants and Detergents</i> , 2014 , 17, 1169-1180	1.9	4
28	Study of Micellization Behavior of Some Alkyl dimethylbenzyl Ammonium Chloride Surfactants in the Presence of Polymers. <i>Journal of Dispersion Science and Technology</i> , 2009 , 31, 62-71	1.5	4
27	Hydration characteristics, structural effects and the taste quality of some polyhydroxy compounds in aqueous solutions of nicotinic acid (vitamin B ₃) at (288.15-318.15) K. <i>Food Chemistry</i> , 2020 , 310, 125861	8.5	4
26	Speed of sound and apparent molar isentropic compression of 1-butyl-3-methylimidazolium bromide in aqueous monosaccharide solutions. <i>Journal of Molecular Liquids</i> , 2016 , 223, 54-59	6	4
25	Investigations on the pH-dependent binding of sodium valproate with bovine serum albumin: A calorimetric, spectroscopic and volumetric approach. <i>Journal of Chemical Thermodynamics</i> , 2021 , 152, 106269	2.9	4
24	Effect of Caffeine on the Physicochemical Properties of Neurotransmitter GABA: Thermodynamic and Theoretical Approach. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3919-3932	2.8	3
23	Molecular Interactions of Saccharides and Their Derivatives with Thiamine HCl and Pyridoxine HCl Vitamins in Aqueous Solutions: Calorimetric, Viscometric, and NMR Spectroscopic Studies. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1325-1351	2.8	3
22	Interactions between Sulpha Drugs and Magnesium Chloride in Aqueous Solutions at T = (288.15 to 318.15) K: Volumetric and Viscometric Approach. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2429-2439	2.8	3
21	Understanding the interactions of polyhydroxy solutes with ammonium salts in aqueous solutions via calorimetric and spectroscopic studies at different temperatures. <i>Journal of Molecular Liquids</i> , 2017 , 242, 1199-1207	6	3
20	Binding ability of sodium valproate with cationic surfactants and effect on micellization: calorimetric, surface tension, light scattering and spectroscopic approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 2833-2847	4.1	3

19	Physicochemical and spectral evaluation of the interactional behavior of nicotinic acid (vitamin B3) with mixed [sodium deoxycholate (bile salt) + cetyltrimethylammonium bromide] surfactants. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 373-385	1.5	3
18	Temperature and concentration dependent physicochemical interactions of L-ascorbic acid in aqueous LiCl solution: Experimental and theoretical study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 623, 126672	5.1	3
17	Effect of potassium chloride on the solvation behavior of caffeine, theophylline and theobromine: Volumetric, viscometric, calorimetry and spectroscopic approach. <i>Food Chemistry</i> , 2018 , 266, 110-118	8.5	2
16	Mixed Micellization Behavior of Gemini and Conventional Surfactants: Influence of Spacer Length and Temperature. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 834-841	1.5	2
15	Unraveling the binding and micellization behavior of dioctylsulfosuccinate Sodium Salt with vitamin B1 and B6: A physicochemical and computational study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 605, 125324	5.1	2
14	Host-guest interaction of trimethoprim drug with cyclodextrins in aqueous solutions: Calorimetric, spectroscopic, volumetric and theoretical approach. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115431	6	2
13	Rheological and time domain ¹ H NMR relaxation studies of some polyhydroxy solutes in presence of l-glycine. <i>Journal of Chemical Thermodynamics</i> , 2016 , 100, 29-43	2.9	2
12	Analysis of micellar, thermodynamic and structural parameters of gemini surfactants in aqueous solutions of vitamins. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113237	6	1
11	Densities and Viscosities of Polyhydroxy Solutes in Aqueous Tetraethylammonium Bromide Solutions at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1756-1776	2.8	1
10	Expliciting the {Ciprofloxacin Hydrochloride + (Glycine/l-Isoleucine)} Interactions in Aqueous Solution over the Temperature range T = 288.15-318.15 K and at Pressure p = 1 - 105 Pa: Volumetric, Acoustic, Calorimetric, and Absorption studies. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 5005-5014	2.8	1
9	Volumetric, acoustic, viscometric, calorimetric and spectroscopic studies to elucidate the effects of citrate and tartrate based food preservatives on the solvation behaviors of acidic amino acids at different temperatures. <i>Food and Function</i> , 2020 , 11, 1006-1026	6.1	1
8	Interactional behavior of saccharides/derivatives with amoxicillin drug in aqueous medium: Insights from volumetric, calorimetric and spectroscopic studies. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115641	6	1
7	Modulation of hydration characteristics of carbohydrates in aqueous medium of L-amino butyric acid via volumetric, rheological and time-domain longitudinal NMR relaxation studies. <i>Journal of Molecular Liquids</i> , 2018 , 249, 522-532	6	1
6	Exploration of Interactions between Pyridoxine HCl (Vitamin B6) and {Hexadecyltrimethylammonium Bromide + Sodium Cholate (Trihydroxy Bile Salt)} Mixtures at T = (298.15 to 318.15) K: Physicochemical and Spectroscopic Approach. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2991-3002	2.8	1
5	Volumetric and ¹ H NMR spectroscopic studies of saccharides-calcium lactate interactions in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116077	6	1
4	Binding studies of dopamine HCl drug with the mixed {sodium bis(2-ethylhexyl) sulfosuccinate + [sodium dodecylsulfate] micelles: Physicochemical, spectroscopic, calorimetric and computational approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 640, 128386	5.1	0
3	Mixed Micellization Behavior of (Chlorpromazine Hydrochloride + Cetyltrimethylammonium Bromide) System in Aqueous Solutions of Glycine. <i>Journal of Surfactants and Detergents</i> , 2021 , 24, 229-242	1.9	0
2	To study the interactions between saccharide/their derivatives and bactericidal cefadroxil drug: Volumetric, acoustic and molecular docking studies. <i>Journal of Chemical Thermodynamics</i> , 2021 , 159, 106477	2.9	0

- 1 Physicochemical studies on vitamins B1, B3, B6 and C in aqueous magnesium chloride solutions at different temperatures (288.15B18.15) K and at pressure (101.3) kPa. *Journal of Molecular Liquids*, **2021**, 329, 115596 6