

Tarlok Singh Banipal

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Apparent Molar Volumes and Viscosities of Some Amino Acids in Aqueous Sodium Acetate Solutions at 298.15 K. Journal of Chemical & Engineering Data, 2004, 49, 1236-1246.	1.0	110
2	Aqueous Phase Surfactant Selective Shape Controlled Synthesis of Lead Sulfide Nanocrystals. Journal of Physical Chemistry C, 2007, 111, 18087-18098.	1.5	86
3	Volumetric and viscometric studies on L-ascorbic acid, nicotinic acid, thiamine hydrochloride and pyridoxine hydrochloride in water at temperatures (288.15 to 318.15)K and at atmospheric pressure. Thermochemica Acta, 2013, 553, 31-39.	1.2	80
4	Study of Interactions between Amino Acids and Zinc Chloride in Aqueous Solutions through Volumetric Measurements at $T = (288.15 \text{ to } 318.15) \text{ K}$. Journal of Chemical & Engineering Data, 2008, 53, 1803-1816.	1.0	77
5	How PEO-PPO-PEO Triblock Polymer Micelles Control the Synthesis of Gold Nanoparticles: Temperature and Hydrophobic Effects. Langmuir, 2010, 26, 11363-11371.	1.6	77
6	Title is missing!. Journal of Solution Chemistry, 2001, 30, 657-670.	0.6	76
7	Densities, Partial Molar Volumes, and Heat Capacities of Glycine, l-Alanine, and l-Leucine in Aqueous Magnesium Chloride Solutions at Different Temperatures. Journal of Chemical & Engineering Data, 2004, 49, 553-565.	1.0	71
8	Studies on volumetric properties of some saccharides in aqueous potassium chloride solutions over temperature range (288.15 to 318.15)K. Journal of Chemical Thermodynamics, 2009, 41, 452-483.	1.0	67
9	Partial molal adiabatic compressibilities of transfer of some amino acids and peptides from water to aqueous sodium chloride and aqueous glucose solutions. Thermochemica Acta, 1995, 262, 175-183.	1.2	64
10	Thermodynamic study of solvation of some amino acids, diglycine and lysozyme in aqueous and mixed aqueous solutions. Thermochemica Acta, 2004, 412, 63-83.	1.2	62
11	Thermodynamic and transport properties of l-serine and l-threonine in aqueous sodium acetate and magnesium acetate solutions at $T=298.15\text{K}$. Journal of Chemical Thermodynamics, 2007, 39, 371-384.	1.0	60
12	Volumetric and Viscometric Studies of Some Amino Acids in Aqueous Solutions of Cadmium Chloride at $T = (288.15 \text{ to } 318.15) \text{ K}$ and at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2011, 56, 2751-2760.	1.0	59
13	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. Journal of Chemical Thermodynamics, 2010, 42, 90-103.	1.0	56
14	Biom mineralization of Gold Nanoparticles by Lysozyme and Cytochrome c and Their Applications in Protein Film Formation. Langmuir, 2010, 26, 13535-13544.	1.6	51
15	Surfactant Selective Synthesis of Gold Nanowires by Using a DPPC Surfactant Mixture as a Capping Agent at Ambient Conditions. Journal of Physical Chemistry C, 2007, 111, 5932-5940.	1.5	49
16	Volumetric properties of amino acids in aqueous solutions of ammonium based protic ionic liquids. Fluid Phase Equilibria, 2015, 385, 258-274.	1.4	49
17	Partial molar heat capacities and volumes of transfer of some saccharides from water to aqueous sodium chloride solutions at $T=298.15\text{K}$. Journal of Chemical Thermodynamics, 2002, 34, 1825-1846.	1.0	48
18	Tuning the Shape and Size of Gold Nanoparticles with Triblock Polymer Micelle Structure Transitions and Environments. Journal of Physical Chemistry C, 2011, 115, 10442-10454.	1.5	48

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19	Influence of NH_4Br 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.	1.0	48
20	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.	0.6	47
21	Effect of Head Groups, Temperature, and Polymer Concentration on Surfactant-Polymer Interactions. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 1181-1191.	1.0	44
22	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, 142-150.	4.2	44
23	Stabilization of PbS Nanocrystals by Bovine Serum Albumin in its Native and Denatured States. <i>Advanced Functional Materials</i> , 2009, 19, 1451-1458.	7.8	42
24	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.	1.0	40
25	Volumetric and Viscometric Properties of Some Sulpha Drugs in Aqueous Solutions of Sodium Chloride at $T = (288.15 \text{ to } 318.15) \text{ K}$. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3872-3881.	1.0	39
26	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.	1.0	38
27	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.	1.5	38
28	Surface Activity of Highly Hydrophobic Surfactants and Platelike PbSe and CuSe Nanoparticles. <i>Crystal Growth and Design</i> , 2010, 10, 1813-1822.	1.4	35
29	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.	2.0	33
30	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.	0.6	32
31	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, 2262-2271.	1.1	32
32	Interactions of some amino acids with aqueous manganese chloride tetrahydrate at $T = (288.15 \text{ to } T_j)$. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 181-189.	1.0	31
33	Au and Au-Ag bimetallic nanoparticles synthesized by using 12-3-12 cationic Gemini surfactant as template. <i>Materials Letters</i> , 2007, 61, 5004-5009.	1.3	30
34	Interactions of some peptides with sodium acetate and magnesium acetate in aqueous solutions at 298.15K: A volumetric approach. <i>Journal of Molecular Liquids</i> , 2008, 140, 54-60.	2.3	30
35	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.	1.7	30
36	Physicochemical aspects of the energetics of binding of sulphanilic acid with bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 214-225.	2.0	30

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37	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.	1.0	29
38	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.	1.0	29
39	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.	4.2	29
40	Biom mineralization of BSA-Chalcogenide Bioconjugate Nano- and Microcrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9121-9127.	1.5	28
41	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.	0.6	26
42	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.	1.0	26
43	Novel Biodegradable Films with Extraordinary Tensile Strength and Flexibility Provided by Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 127-136.	3.2	26
44	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.	1.0	25
45	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, 339-346.	4.2	24
46	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.	2.3	24
47	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.	1.0	23
48	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.	1.4	23
49	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.	1.0	23
50	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.	2.4	23
51	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.	1.4	22
52	Volumetric and Viscometric Studies on Saccharide-Disodium Tetraborate (Borax) Interactions in Aqueous Solutions. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2355-2374.	1.0	22
53	Volumetric properties of 1-butyl-3-methylimidazolium bromide in aqueous solutions of d(α)-ribose and d(α)-arabinose at different temperatures. <i>Journal of Molecular Liquids</i> , 2015, 209, 352-357.	2.3	22
54	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.	1.0	21

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55	Binding studies of caffeine and theophylline to bovine serum albumin: Calorimetric and spectroscopic approach. <i>Journal of Molecular Liquids</i> , 2016, 223, 1048-1055.	2.3	20
56	Lamellar Phase Supported Synthesis of Colloidal Gold Nanoparticles, Nanoclusters, and Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 916-924.	0.9	19
57	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.	1.0	19
58	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.	1.4	17
59	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, 765-774.	4.2	17
60	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.	2.3	17
61	Volumetric, Viscometric and Spectroscopic Approach to Study the Solvation Behavior of Xanthine Drugs in Aqueous Solutions of NaCl at $T = 288.15\text{--}318.15\text{ K}$ and at $p = 101.325\text{ kPa}$. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 20-34.	1.0	17
62	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.	1.0	16
63	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.	1.0	15
64	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.	1.2	15
65	Viscosities of Some Saccharides in Aqueous Solutions of Phosphate-Based Inorganic Salts. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1992-2001.	1.0	15
66	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.	2.3	15
67	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.	2.3	15
68	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.	2.3	14
69	Volumetric and Viscometric Studies of Some Metal Acetates in Aqueous Solutions at $T = (288.15) \text{ Tj ETQq1 1.0.784314 rgBT /OV}$	1.0	14
70	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.	1.0	14
71	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.	2.0	14
72	Synthesis of nanocomposite gold-semiconductor materials by seed-growth method. <i>Materials Letters</i> , 2007, 61, 3762-3767.	1.3	13

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73	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.	1.0	13
74	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.	2.3	13
75	Solvation behavior of monosaccharides in aqueous protic ionic liquid solutions: Volumetric, calorimetric and NMR spectroscopic studies. <i>Fluid Phase Equilibria</i> , 2016, 421, 24-32.	1.4	13
76	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.	1.0	13
77	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.	1.0	12
78	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.	2.0	12
79	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.	1.0	11
80	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.	1.0	10
81	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.	4.2	10
82	Hydration characteristics, structural effects and the taste quality of some polyhydroxy compounds in aqueous solutions of nicotinic acid (vitamin B3) at (288.15–318.15)K. <i>Food Chemistry</i> , 2020, 310, 125861.	4.2	10
83	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.	1.4	9
84	Volumetric Properties of Disaccharides in Aqueous Solutions of Benzyltrimethylammonium Acetate as a Function of Temperature. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1764-1775.	1.0	9
85	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.	2.3	9
86	Modulation of physicochemical and spectroscopic properties of l-serine and l-proline by propionate based food preservatives. <i>Food Chemistry</i> , 2016, 209, 220-227.	4.2	9
87	Local anesthetic-bovine serum albumin interactional behaviour: Characterization by volumetric, calorimetric, and spectroscopic methods. <i>Journal of Molecular Liquids</i> , 2017, 243, 91-101.	2.3	9
88	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.	2.3	9
89	Physicochemical and spectral evaluation of the interactional behavior of nicotinic acid (vitamin Tj ETQq1 1 0.784314 rgBT /Overlock 10 surfactants. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 373-385.	1.3	9
90	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.	1.0	8

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91	Volumetric, viscometric and ^1H NMR spectroscopic studies in (polyhydroxy solute + CTAB + H_2O) ternary solutions. Journal of Chemical Thermodynamics, 2017, 112, 13-22.	1.0	8
92	Probing the binding ability of vitamin B1 with bovine serum albumin: Calorimetric, light scattering, spectroscopic and volumetric studies. Journal of Chemical Thermodynamics, 2018, 127, 59-70.	1.0	8
93	Study on interactions of vitamin B1 with sodium dodecyl sulfate for potential food applications: Conductometric, volumetric, calorimetric and spectroscopic approach. Journal of Molecular Liquids, 2019, 285, 616-625.	2.3	8
94	Host-guest interaction of trimethoprim drug with cyclodextrins in aqueous solutions: Calorimetric, spectroscopic, volumetric and theoretical approach. Journal of Molecular Liquids, 2021, 329, 115431.	2.3	8
95	Temperature and concentration dependent physicochemical interactions of L-ascorbic acid in aqueous LiCl solution: Experimental and theoretical study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 623, 126672.	2.3	8
96	Influence of Phosphate-Based Salts on Enthalpy of Dilution and Isentropic Compressibility Properties of Saccharides and Their Derivatives in Aqueous Solutions. Journal of Chemical & Engineering Data, 2019, 64, 517-528.	1.0	7
97	Elucidation of Interactions between L-Ascorbic Acid and Mixed Micellar Aggregates of Catanionic {Sodium Dodecylsulfate + Cetyltrimethylammonium Bromide} Surfactants via Physicochemical and Spectroscopic Studies. Journal of Surfactants and Detergents, 2020, 23, 305-318.	1.0	7
98	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. Food and Function, 2020, 11, 1006-1026.	2.1	7
99	Investigations on the pH-dependent binding of sodium valproate with bovine serum albumin: A calorimetric, spectroscopic and volumetric approach. Journal of Chemical Thermodynamics, 2021, 152, 106269.	1.0	7
100	Mixed Micellization Behavior of 12-2-12 Gemini Surfactant with Some Alkyltrimethyl Ammonium Bromide Surfactants. Journal of Dispersion Science and Technology, 2011, 32, 881-887.	1.3	6
101	Interactions between Sulpha Drugs and Magnesium Chloride in Aqueous Solutions at $T = (288.15) \text{ Tj ETQq1 1 0.784314 rgBT}$ 58, 2429-2439.	1.0	6
102	Speed of sound and apparent molar isentropic compression of 1-butyl-3-methylimidazolium bromide in aqueous monosaccharide solutions. Journal of Molecular Liquids, 2016, 223, 54-59.	2.3	6
103	Investigations to explore interactions in (polyhydroxy solute + L-ascorbic acid + H_2O) solutions at different temperatures: Calorimetric and viscometric approach. Journal of Chemical Thermodynamics, 2016, 102, 322-332.	1.0	6
104	Expliciting the {Ciprofloxacin Hydrochloride + (Glycine/l-Isoleucine)} Interactions in Aqueous Solution over the Temperature range $T = 288.15 \text{--} 323.15 \text{ K}$ and at Pressure $p = 1 \text{--} 105 \text{ Pa}$: Volumetric, Acoustic, Calorimetric, and Absorption studies. Journal of Chemical & Engineering Data, 2019, 64, 5095-5104.	1.0	6
105	Volumetric and ^1H NMR spectroscopic studies of saccharides-calcium lactate interactions in aqueous solutions. Journal of Molecular Liquids, 2021, 334, 116077.	2.3	6
106	Effect of Hydrophobicity and Temperature on the Interactions in the Mixed Micelles of Triblock Polymers $[(\text{EO})_{76}(\text{PO})_{29}(\text{EO})_{76}]$ and $(\text{EO})_{19}(\text{PO})_{69}(\text{EO})_{19}]$ with Monomeric and Gemini Surfactants. Journal of Surfactants and Detergents, 2014, 17, 1169-1180.	1.0	5
107	Molecular Interactions of Saccharides and Their Derivatives with Thiamine HCl and Pyridoxine HCl Vitamins in Aqueous Solutions: Calorimetric, Viscometric, and NMR Spectroscopic Studies. Journal of Chemical & Engineering Data, 2018, 63, 1325-1351.	1.0	5
108	Effect of potassium chloride on the solvation behavior of caffeine, theophylline and theobromine: Volumetric, viscometric, calorimetry and spectroscopic approach. Food Chemistry, 2018, 266, 110-118.	4.2	5

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109	Effect of Caffeine on the Physicochemical Properties of Neurotransmitter GABA: Thermodynamic and Theoretical Approach. Journal of Chemical & Engineering Data, 2019, 64, 3919-3932.	1.0	5
110	Binding ability of sodium valproate with cationic surfactants and effect on micellization: calorimetric, surface tension, light scattering and spectroscopic approach. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2833-2847.	2.0	5
111	Study of Micellization Behavior of Some Alkyldimethylbenzyl Ammonium Chloride Surfactants in the Presence of Polymers. Journal of Dispersion Science and Technology, 2009, 31, 62-71.	1.3	4
112	Calorimetric and isentropic compressibility studies on (saccharide/methyl glycoside/deoxy-derivative) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	2.3	4
113	Volumetric, Viscometric, and ¹ H NMR Studies on Caffeine, Theophylline, and Theobromine in Aqueous Solutions of MgCl ₂ at Temperatures $T = (288.15 \text{ to } 318.15) \text{ K}$ and at Pressure $p = 101.3 \text{ kPa}$. Journal of Chemical & Engineering Data, 2017, 62, 3833-3847.	1.0	4
114	Unraveling the binding and micellization behavior of dioctylsulfosuccinate Sodium Salt with vitamin B1 and B6: A physicochemical and computational study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 605, 125324.	2.3	4
115	Analysis of micellar, thermodynamic and structural parameters of gemini surfactants in aqueous solutions of vitamins. Journal of Molecular Liquids, 2020, 310, 113237.	2.3	4
116	Exploration of Interactions between Pyridoxine HCl (Vitamin B ₆) and {Hexadecyltrimethylammonium Bromide + Sodium Cholate (Trihydroxy Bile Salt)} Mixtures at $T = (298.15 \text{ to } 318.15) \text{ K}$: Physicochemical and Spectroscopic Approach. Journal of Chemical & Engineering Data, 2021, 66, 2991-3002.	1.0	4
117	Binding studies of dopamine HCl drug with the mixed {sodium bis(2-ethylhexyl) sulfosuccinate + sodium dodecylsulfate} micelles: Physicochemical, spectroscopic, calorimetric and computational approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128386.	2.3	4
118	Rheological and time domain ¹ H NMR relaxation studies of some polyhydroxy solutes in presence of l-glycine. Journal of Chemical Thermodynamics, 2016, 100, 29-43.	1.0	3
119	Understanding the interactions of polyhydroxy solutes with ammonium salts in aqueous solutions via calorimetric and spectroscopic studies at different temperatures. Journal of Molecular Liquids, 2017, 242, 1199-1207.	2.3	3
120	Mixed Micellization Behavior of (Chlorpromazine Hydrochloride + Cetyltrimethylammonium Bromide) System in Aqueous Solutions of Glycine. Journal of Surfactants and Detergents, 2021, 24, 229-242.	1.0	3
121	Interactional behavior of saccharides/derivatives with amoxicillin drug in aqueous medium: Insights from volumetric, calorimetric and spectroscopic studies. Journal of Molecular Liquids, 2021, 330, 115641.	2.3	3
122	To study the interactions between saccharide/their derivatives and bactericidal cefadroxil drug: Volumetric, acoustic and molecular docking studies. Journal of Chemical Thermodynamics, 2021, 159, 106477.	1.0	3
123	Mixed Micellization Behavior of Gemini and Conventional Surfactants: Influence of Spacer Length and Temperature. Journal of Dispersion Science and Technology, 2013, 34, 834-841.	1.3	2
124	Densities and Viscosities of Polyhydroxy Solutes in Aqueous Tetraethylammonium Bromide Solutions at Different Temperatures. Journal of Chemical & Engineering Data, 2016, 61, 1756-1776.	1.0	2
125	Modulation of hydration characteristics of carbohydrates in aqueous medium of ¹³ C-amino butyric acid via volumetric, rheological and time-domain longitudinal NMR relaxation studies. Journal of Molecular Liquids, 2018, 249, 522-532.	2.3	2
126	Elucidation of Interactions between Ciprofloxacin Hydrochloride Monohydrate and Constituents of Nucleic Acids in Aqueous Solutions at Different Temperatures. Journal of Chemical & Engineering Data, 0, , .	1.0	1

#	ARTICLE	IF	CITATIONS
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