

Vladimir Barannikov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enthalpies of Sublimation and Solvation of Alanine-Containing Dipeptides. Russian Journal of Physical Chemistry A, 2022, 96, 696-703.	0.1	1
2	Thermochemical characteristics of some glycylopeptides interaction with anionic micelles in a phosphate-buffered saline solution of sodium dodecyl sulfate. Journal of Chemical Thermodynamics, 2022, 174, 106853.	1.0	1
3	QUANTUM CHEMICAL SIMULATION OF THE INTERACTION BETWEEN CARNOSINE AND ANSERINE DIPEPTIDES AND THE SODIUM DODECYL SULFATE DIMER AS AN ANIONIC MICELLE FRAGMENT. Journal of Structural Chemistry, 2021, 62, 196-205.	0.3	4
4	The thermochemical behavior of glycyL-L-histidine and β^2 -alanyl-L-histidine peptides in (SDS+phosphate-buffered saline) micellar solution at pH= 7.4. Journal of Molecular Liquids, 2021, 331, 115766.	2.3	3
5	QUANTUM CHEMICAL SIMULATION OF THE INTERACTION BETWEEN BALENINE AND A SODIUM DODECYL SULFATE DIMER AS AN ANIONIC MICELLE FRAGMENT. INFLUENCE OF THE DIPEPTIDE IONIC STATE. Journal of Structural Chemistry, 2021, 62, 1332-1338.	0.3	0
6	Enthalpies of acid dissociation of l-carnosine in aqueous solution. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3683-3689.	2.0	14
7	Equilibrium Constants of Interaction between Pyridoxal-5'-Phosphate Coenzyme and Glycine and Its Oligopeptides in Aqueous Buffered Saline. Russian Journal of Physical Chemistry A, 2020, 94, 2382-2385.	0.1	0
8	The influence of structure of isomolecular dipeptides of β^1 -L-alanyl- β^1 -L-alanine and β^2 -alanyl- β^2 -alanine on their behavior in aqueous micellar solution of SDS. Thermochimica Acta, 2020, 689, 178647.	1.2	6
9	Effect of Solvent Polarity on Enthalpies of Solvation of Ethylene Oxide Oligomers. Journal of Chemical & Engineering Data, 2020, 65, 2784-2789.	1.0	4
10	Quantum chemical and molecular dynamics modeling of interaction of isomolecular dipeptides of β^1 -L-alanyl- β^1 -L-alanine and β^2 -alanyl- β^2 -alanine with sodium dodecyl sulfate micelles. Computational and Theoretical Chemistry, 2020, 1182, 112844.	1.1	7
11	Influence of the Composition of (H ₂ O+SDS) Mixtures on the Interaction Energy of dl- β^1 -Alanyl-dl- β^1 -Valine and dl- β^1 -Alanyl-dl- β^1 -Norleucine with SDS Micelles at T=298.15 K. Journal of Solution Chemistry, 2019, 48, 61309-1317.	4.6	4
12	Thermodynamics of the Dissolution of Crystalline 3-Alanylhistidine. Russian Journal of Physical Chemistry A, 2019, 93, 856-859.	0.1	0
13	A Quantum Chemical Simulation of the Interaction Between Leucine and the Dimer of Sodium Dodecyl Sulphate. Journal of Structural Chemistry, 2018, 59, 1768-1775.	0.3	3
14	Thermodynamic Characteristics of Acid-Base Reactions in Aqueous Solutions of DL- β^1 -Alanyl-DL-norleucine. Russian Journal of Physical Chemistry A, 2018, 92, 1907-1910.	0.1	2
15	Thermal and spectroscopic characterization of zinc(II) bis(dipyrrinate)s crystal solvates with acetone, dimethyl sulfoxide, and triethylamine. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1481-1490.	2.0	6
16	Crystal solvates of zinc(II) bis(dipyrrinates) with triethylamine: composition, stability and spectral-luminescent properties. Journal of Coordination Chemistry, 2016, 69, 901-914.	0.8	9
17	Thermal stability of polyvinyl alcohol/nanocrystalline cellulose composites. Carbohydrate Polymers, 2015, 130, 440-447.	5.1	134
18	Thermodynamic functions of solvation of 1,4-dioxane in various solvents at 298.15 K. Russian Journal of Physical Chemistry A, 2014, 88, 254-258.	0.1	7

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19	Structural Features and Thermal Stability of 25,26,27,28-Tetrahydroxycalix[4]arene Molecular Complexes with Solvents. <i>Journal of Physical Chemistry C</i> , 2014, 118, 338-345.	1.5	6
20	Drastic and subtle thermally and gas-induced transformations of pure 4-tert-butylcalix[4]arene. <i>CrystEngComm</i> , 2014, 16, 8700.	1.3	3
21	Structural features and thermal stability of molecular complexes of 25,26,27,28-Tetrahydroxycalix[4]arene with solvents. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 1329-1335.	0.1	1
22	Composition and thermal stability of bis (dipyrrolylmethenato)zinc(II) crystal solvates with N,N-dimethylformamide. <i>Thermochimica Acta</i> , 2014, 589, 31-36.	1.2	14
23	An investigation of the structural and thermodynamic properties of polystyrene fullerene-containing films. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2013, 49, 205-208.	0.3	9
24	Dissociation constants of protolytic dissociation of glutamyl-glutamic and glycyl-glutamic acids in aqueous solution at 298 K. <i>Russian Journal of General Chemistry</i> , 2013, 83, 945-948.	0.3	4
25	DSC investigation of the polystyrene films filled with fullerene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1033-1038.	2.0	25
26	Thermodynamical characteristics of acid-base equilibria in glycyl-glycyl-glycine aqueous solutions at 298 K. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 40-44.	0.1	10
27	Enthalpies of solvation of ethylene oxide oligomers $\text{CH}_3(\text{CH}_2\text{CH}_2\text{O})_n\text{CH}_3$ ($n=1$ to 4) in different H-bonding solvents: Methanol, chloroform, and water. Group contribution method as applied to the polar oligomers. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1928-1935.	1.0	6
28	Thermodynamical characteristics of the reaction of pyridoxal-5-phosphate with L-amino acids in aqueous buffer solution. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 16-20.	0.1	13
29	Thermal stability of porphyrins with chemically active NH bond and their associates with electron-donor solvents. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 2171-2176.	0.1	12
30	Effect of the drying temperature on the structural nonequilibrium of cotton cellulose. <i>Fibre Chemistry</i> , 2011, 42, 318-321.	0.0	0
31	Investigation of the amorphization process of partially crystalline polymers by hydrostatic weighing in an inert liquid. <i>Fibre Chemistry</i> , 2011, 43, 217-221.	0.0	10
32	Stepwise quasi-equilibrium crystallization of low-density polyethylene. <i>Fibre Chemistry</i> , 2011, 43, 222-229.	0.0	6
33	Enthalpies of solvation of macrocyclic ether of dibenzo-24-crown-8 in solvents of different polarity. <i>Russian Journal of Physical Chemistry A</i> , 2010, 84, 584-587.	0.1	1
34	Effect of electrostatic interaction on thermochemical behavior of 12-crown-4 ether in various polar solvents. <i>Thermochimica Acta</i> , 2010, 499, 61-64.	1.2	9
35	Effect of solvent media and condensed benzene rings on thermochemical behaviour of dibenzo-18-crown-6 in solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 98, 547-552.	2.0	5
36	Peculiarities of electrostatic interactions between amino acids and salicylic acid in aqueous solution. <i>Biophysics (Russian Federation)</i> , 2009, 54, 139-142.	0.2	0

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37	Melting of polyolefins in presence of liquids. Russian Journal of Applied Chemistry, 2009, 82, 1324-1325.	0.1	0
38	Thermochemical behaviour of straight-chain ethers CH ₃ O(CH ₂ CH ₂ O) _n CH ₃ (n=1-4) in aqueous and tetrachlormethane solutions. Thermochemica Acta, 2008, 469, 23-27.	1.2	12
39	Thermochemical behavior of 18-crown-6 in aqueous solutions of some monosaccharides. Thermochemica Acta, 2006, 444, 13-15.	1.2	3
40	Enthalpies of solvation of 1,4,7,10,13,16-hexaoxacyclooctadecane in solvents. Journal of Chemical Thermodynamics, 2004, 36, 277-280.	1.0	22
41	Thermal dissociation of supramolecular complexes on the basis of 18-crown-6 and amino acids. Russian Journal of General Chemistry, 2004, 74, 1213-1217.	0.3	6
42	Molecular Complexes of Crown Ethers in Crystals and Solutions. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2002, 28, 153-162.	0.3	19
43	Molecular Complexes of Crown Ethers in Crystals and Solutions. ChemInform, 2002, 33, 252-252.	0.1	0
44	Correlation of enthalpic and volume characteristics of 15-crown-5 in solution with molecular parameters and physical properties of solvents. Thermochemica Acta, 1999, 326, 75-81.	1.2	15
45	Effect of the nature of the solvent on the enthalpy characteristics of solvation of conformationally flexible 1,7-diaza-18-crown-6 molecules. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 1980-1982.	0.0	1
46	Thermochemical characteristics of the near surroundings of tetraphenylporphyrin in benzene, pyridine and carbon tetrachloride. Thermochemica Acta, 1990, 169, 103-110.	1.2	17