

# Vladimir Barannikov

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermal stability of polyvinyl alcohol/nanocrystalline cellulose composites. <i>Carbohydrate Polymers</i> , 2015, 130, 440-447.	5.1	134
2	DSC investigation of the polystyrene films filled with fullerene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1033-1038.	2.0	25
3	Enthalpies of solvation of 1,4,7,10,13,16-hexaoxacyclooctadecane in solvents. <i>Journal of Chemical Thermodynamics</i> , 2004, 36, 277-280.	1.0	22
4	Molecular Complexes of Crown Ethers in Crystals and Solutions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2002, 28, 153-162.	0.3	19
5	Thermochemical characteristics of the near surroundings of tetraphenylporphyrin in benzene, pyridine and carbon tetrachloride. <i>Thermochimica Acta</i> , 1990, 169, 103-110.	1.2	17
6	Correlation of enthalpic and volume characteristics of 15-crown-5 in solution with molecular parameters and physical properties of solvents. <i>Thermochimica Acta</i> , 1999, 326, 75-81.	1.2	15
7	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
8	Enthalpies of acid dissociation of l-carnosine in aqueous solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3683-3689.	2.0	14
9	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
10	Thermochemical behaviour of straight-chain ethers CH <sub>3</sub> O(CH <sub>2</sub> CH <sub>2</sub> O) <sub>n</sub> CH <sub>3</sub> (n=1-4) in aqueous and tetrachlormethane solutions. <i>Thermochimica Acta</i> , 2008, 469, 23-27.	1.2	12
11	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
12	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
13	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
14	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
15	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
16	Crystal solvates of zinc(II) bis(dipyrinates) with triethylamine: composition, stability and spectral-luminescent properties. <i>Journal of Coordination Chemistry</i> , 2016, 69, 901-914.	0.8	9
17	Thermodynamic functions of solvation of 1,4-dioxane in various solvents at 298.15 K. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 254-258.	0.1	7
18	Quantum chemical and molecular dynamics modeling of interaction of isomolecular dipeptides of L-alanyl-L-alanine and D-alanyl-D-alanine with sodium dodecyl sulfate micelles. <i>Computational and Theoretical Chemistry</i> , 2020, 1182, 112844.	1.1	7

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19	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
20	Enthalpies of solvation of ethylene oxide oligomers CH <sub>3</sub> O(CH <sub>2</sub> CH <sub>2</sub> O) <sub>n</sub> CH <sub>3</sub> (n=1 to 4) in different H-bonding solvents: Methanol, chloroform, and water. Group contribution method as applied to the polar oligomers. Journal of Chemical Thermodynamics, 2011, 43, 1928-1935.	1.0	6
21	Stepwise quasi-equilibrium crystallization of low-density polyethylene. Fibre Chemistry, 2011, 43, 222-229.	0.0	6
22	Structural Features and Thermal Stability of 25,26,27,28-Tetrahydroxycalix[4]arene Molecular Complexes with Solvents. Journal of Physical Chemistry C, 2014, 118, 338-345.	1.5	6
23	Thermal and spectroscopic characterization of zinc(II) bis(dipyrinate)s crystal solvates with acetone, dimethyl sulfoxide, and triethylamine. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1481-1490.	2.0	6
24	The influence of structure of isomolecular dipeptides of L-alanyl-L-alanine and L-alanyl-L-alanine on their behavior in aqueous micellar solution of SDS. Thermochimica Acta, 2020, 689, 178647.	1.2	6
25	Effect of solvent media and condensed benzene rings on thermochemical behaviour of dibenzo-18-crown-6 in solution. Journal of Thermal Analysis and Calorimetry, 2009, 98, 547-552.	2.0	5
26	Dissociation constants of protolytic dissociation of glutamyl-glutamic and glycyl-glutamic acids in aqueous solution at 298 K. Russian Journal of General Chemistry, 2013, 83, 945-948.	0.3	4
27	Influence of the Composition of (H <sub>2</sub> O+SDS) Mixtures on the Interaction Energy of dl-Alanyl-dl-Valine and dl-Alanyl-dl-Norleucine with SDS Micelles at T=298.15 K. Journal of Solution Chemistry, 2019, 48, 1309-1317.	0.6	4
28	Effect of Solvent Polarity on Enthalpies of Solvation of Ethylene Oxide Oligomers. Journal of Chemical & Engineering Data, 2020, 65, 2784-2789.	1.0	4
29	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
30	Thermochemical behavior of 18-crown-6 in aqueous solutions of some monosaccharides. Thermochimica Acta, 2006, 444, 13-15.	1.2	3
31	Drastic and subtle thermally and gas-induced transformations of pure 4-tert-butylcalix[4]arene. CrystEngComm, 2014, 16, 8700.	1.3	3
32	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
33	The thermochemical behavior of glycyl-L-histidine and L-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
34	Thermodynamic Characteristics of Acid-Base Reactions in Aqueous Solutions of DL-Alanyl-DL-norleucine. Russian Journal of Physical Chemistry A, 2018, 92, 1907-1910.	0.1	2
35	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
36	Enthalpies of solvation of macrocyclic ether of dibenzo-24-crown-8 in solvents of different polarity. Russian Journal of Physical Chemistry A, 2010, 84, 584-587.	0.1	1

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37	Structural features and thermal stability of molecular complexes of 25,26,27,28-Tetrahydroxycalix[4]arene with solvents. Russian Journal of Physical Chemistry A, 2014, 88, 1329-1335.	0.1	1
38	Enthalpies of Sublimation and Solvation of Alanine-Containing Dipeptides. Russian Journal of Physical Chemistry A, 2022, 96, 696-703.	0.1	1
39	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
40	Peculiarities of electrostatic interactions between amino acids and salicylic acid in aqueous solution. Biophysics (Russian Federation), 2009, 54, 139-142.	0.2	0
41	Melting of polyolefins in presence of liquids. Russian Journal of Applied Chemistry, 2009, 82, 1324-1325.	0.1	0
42	Molecular Complexes of Crown Ethers in Crystals and Solutions. ChemInform, 2002, 33, 252-252.	0.1	0
43	Effect of the drying temperature on the structural nonequilibrium of cotton cellulose. Fibre Chemistry, 2011, 42, 318-321.	0.0	0
44	Thermodynamics of the Dissolution of Crystalline 3-Alanylhistidine. Russian Journal of Physical Chemistry A, 2019, 93, 856-859.	0.1	0
45	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
46	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