Tatiana R Usacheva

List of Publications by Year
in descending order

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48 papers	440 citations	840119 11 h-index	839053 18 g-index
48 all docs	48 docs citations	48 times ranked	302 citing authors

#	Article	IF	Citations
1	Effects of temperature and relative humidity on fibrillar collagen in parchment: AÂmicro differential scanning calorimetry (micro DSC) study. Polymer Degradation and Stability, 2012, 97, 346-353.	2.7	60
2	Thermodynamics of solvation of some small peptides in water at T=298.15K. Journal of Chemical Thermodynamics, 2006, 38, 1054-1061.	1.0	36
3	Selective binding of a bioactive porphyrin-based photosensitizer to the G-quadruplex from the KRAS oncogene promoter. International Journal of Biological Macromolecules, 2020, 145, 244-251.	3.6	33
4	Calorimetric investigation of the complex formation reaction of 18-crown-6 ether with d,l-alanine in waterâ€“ethanol mixtures. Journal of Thermal Analysis and Calorimetry, 2013, 112, 983-989.	2.0	19
5	Thermodynamics of complex formation in mixed solvents K and Î”H for the formation reaction of [Gly18C6] at 298.15ÂK. Journal of Thermal Analysis and Calorimetry, 2009, 97, 811-816.	2.0	18
6	Thermodynamics of complex formation between hydroxypropyl-Î²-cyclodextrin and quercetin in waterâ€“ethanol solvents at Tâ€‰=â€‰298.15ÂK. Journal of Thermal Analysis and Calorimetry, 2019, 138, 417-424.	2.0	18
7	The influence of the composition of an aqueous-acetone solvent on the thermodynamic characteristics of complex formation of 18-crown-6 ether with glycine. Russian Journal of Physical Chemistry A, 2011, 85, 948-951.	0.1	17
8	The influence of waterâ€“ethanol mixture on the thermodynamics of complex formation between 18-crown-6 ether and l-phenylalanine. Chemical Physics Letters, 2012, 543, 155-158.	1.2	16
9	Effect of solvation on the thermodynamics of the formation of molecular complexes of 18-crown-6 ether with glycine in water-dimethylsulfoxide solutions. Russian Journal of Physical Chemistry A, 2011, 85, 1898-1902.	0.1	15
10	Molecular complex formation between l-phenylalanine and 18-crown-6 in H2Oâ€“DMSO solvents studied by titration calorimetry at TÂ=Â298.15ÂK. Journal of Thermal Analysis and Calorimetry, 2013, 112, 399-405.	2.0	14
11	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2001, 27, 203-207.	0.3	12
12	Application of isothermal titration calorimetry for evaluation of waterâ€“acetone and waterâ€“dimethylsulfoxide solvent influence on the molecular complex formation between 18-crown-6 and triglycine at 298.15ÂK. Journal of Thermal Analysis and Calorimetry, 2015, 121, 975-981.	2.0	12
13	Thermodynamics of complex formation between Cu(II) and glycylâ€“glycylâ€“glycine in waterâ€“ethanol and waterâ€“dimethylsulfoxide solvents. Journal of Thermal Analysis and Calorimetry, 2017, 130, 471-478.	2.0	12
14	The influence of solvation on the formation of Ag+ complexes with 18-crown-6 ether in water-dimethyl sulfoxide solvents. Russian Journal of Physical Chemistry A, 2011, 85, 952-954.	0.1	11
15	Thermodynamic characteristics of alanine-18-crown-6 ether complexes in binary water-acetone solvents. Russian Journal of Physical Chemistry A, 2012, 86, 36-39.	0.1	10
16	Influence of the composition of aqueous dimethylsulfoxide solvent on thermodynamics of complexing between 18-crown-6-ether and D,L-alanine. Russian Journal of Physical Chemistry A, 2012, 86, 1064-1067.	0.1	9
17	Gibbs energies of transferring triglycine from water into H2O-DMSO solvent. Russian Journal of Physical Chemistry A, 2014, 88, 1357-1360.	0.1	8
18	A thermodynamic study of reactions of amino acids with crown ethers in nonaqueous media as examples of guestâ€”host molecular complex formation. Russian Chemical Bulletin, 2015, 64, 2536-2544.	0.4	8

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19	Phase solubility and thermoanalytical studies of the inclusion complex formation between curcumin and hydroxypropyl-Î²-cyclodextrin in hydroalcoholic solutions. Journal of Thermal Analysis and Calorimetry, 2020, , 1.	2.0	7
20	Thermodynamics of Complexation of Ag+ with 18-Crown-6 in Water-Dimethyl Sulfoxide Mixtures. Russian Journal of General Chemistry, 2001, 71, 707-711.	0.3	6
21	Thermochemistry of solvation of 18-crown-6 ether in binary methanol-acetonitrile solvents. Russian Journal of Physical Chemistry A, 2013, 87, 1076-1078.	0.1	6
22	Molecular complexation of some amino acids and triglycine with 18-crown-6 ether in H2O-EtOH solvents at 298.15 K. Russian Journal of Inorganic Chemistry, 2013, 58, 1264-1268.	0.3	6
23	Effect of solvation on the complexation of 18-crown-6 with amino acids in aqueous-organic media. Russian Journal of General Chemistry, 2014, 84, 911-917.	0.3	6
24	Constants and thermodynamics of the acid-base equilibria of triglycine in waterâ€“ethanol solutions containing sodium perchlorate at 298 K. Russian Journal of Physical Chemistry A, 2016, 90, 344-348.	0.1	6
25	Hostâ€“guest inclusion complex of Î²-cyclodextrin and benzoic acid in waterâ€“ethanol solvents: spectroscopic and thermodynamic characterization of complex formation. Journal of Thermal Analysis and Calorimetry, 2020, 142, 2015-2024.	2.0	6
26	Formation of molecular complexes between 18-crown-6 and amino acids in aqueous-organic media. Russian Journal of General Chemistry, 2014, 84, 227-234.	0.3	5
27	Thermodynamics of molecular complexation of glycylâ€“glycylâ€“glycine with cryptand [2.2.2] in waterâ€“dimethylsulfoxide solvent at 298.15Â K. Journal of Thermal Analysis and Calorimetry, 2016, 126, 307-314.	2.0	5
28	Effect of the Composition of Ethanolâ€“DMSO Solvents on the Stability of Silver(I) Complexes with 18-Crown-6. Russian Journal of Inorganic Chemistry, 2018, 63, 687-690.	0.3	5
29	Effect of reactant solvation on the stability of complexes of silver(I) with 18-crown-6 in ethanol-dimethyl sulfoxide mixtures. Journal of Molecular Liquids, 2019, 276, 78-82.	2.3	5
30	The thermodynamic parameters of complex formation between silver (I) ions and 2,2â€²-dipyridyl in water-dimethylsulfoxide solvents. Russian Journal of Physical Chemistry A, 2006, 80, 747-750.	0.1	4
31	Dependence of the thermodynamic characteristics of the complexation of alanine-18-crown-6 on the composition of water-ethanol solvent. Russian Journal of Physical Chemistry A, 2013, 87, 204-207.	0.1	4
32	Change in the Gibbs energy of 18-crown-6 ether transfer from methanol to methanol-acetonitrile mixtures at 298 K. Russian Journal of Physical Chemistry A, 2015, 89, 73-75.	0.1	4
33	Thermodynamic characteristics of acidâ€“base equilibria of glycyl-glycyl-glycine in waterâ€“ethanol solutions at 298 K. Russian Journal of Physical Chemistry A, 2016, 90, 2387-2392.	0.1	4
34	Molecular dynamics simulations of 18-crown-6 aqueous solutions. Journal of Molecular Liquids, 2016, 224, 825-831.	2.3	4
35	Calorimetric study of the molecular complex formation of glycylâ€“glycylâ€“glycine with 18-crown-6 in aqueous organic solvents. Russian Journal of General Chemistry, 2017, 87, 591-599.	0.3	4
36	Isothermal titration calorimetry investigation of the interactions between vitamin B6-derived hydrazones and bovine and human serum albumin. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5483-5490.	2.0	4

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37	Calculating the solvation contributions from reagents to the change in enthalpy of silver(I) complexation with 18-crown-6 ether in binary methanol-acetonitrile solvents. Russian Journal of Physical Chemistry A, 2012, 86, 50-52.	0.1	3
38	Thermodynamics of the complex formation between Cu2+ and triglycine in waterâ€“ethanol solutions at 298 K. Russian Journal of Physical Chemistry A, 2017, 91, 1235-1240.	0.1	3
39	Thermodynamics of complexation of benzoic acid with Î²- and Î³-cyclodextrins in waterâ€”DMSO media. Russian Chemical Bulletin, 2020, 69, 1692-1696.	0.4	3
40	Thermodynamic characteristics of 2,2â€²-Dipyridyl solvation in binary methanol-acetonitrile solvents. Russian Journal of Physical Chemistry A, 2013, 87, 945-947.	0.1	2
41	Effect of solvation on the thermodynamics of formation for 18-crown-6 ether complexes with glycine and triglycine in water-ethanol solutions at 298 K. Russian Journal of Physical Chemistry A, 2014, 88, 607-611.	0.1	2
42	Thermodynamics of formation for the 18-crown-6-triglycine molecular complex in water-dimethylsulfoxide solvents. Russian Journal of Physical Chemistry A, 2014, 88, 908-912.	0.1	2
43	Binding of quercetin and curcumin to human serum albumin in aqueous dimethyl sulfoxide and in aqueous ethanol. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5511-5518.	2.0	2
44	The study of interactions between textile auxiliary polyelectrolytes by isothermal titration calorimetry. Journal of Molecular Liquids, 2022, 359, 119286.	2.3	2
45	Stability of coordination compounds of Co2+ and Ni2+ ions with maleic acid anion in aqueous isopropanol solutions. Russian Journal of Inorganic Chemistry, 2014, 59, 148-151.	0.3	1
46	Entropy Effects in Intermolecular Associations of Crown-Ethers and Cyclodextrins with Amino Acids in Aqueous and in Non-Aqueous Media. Entropy, 2022, 24, 24.	1.1	1
47	Maleic acid solvation in mixed water-ethanol solvents. Russian Journal of Physical Chemistry A, 2012, 86, 577-579.	0.1	0
48	Influence of reagents solvation on [Ag18C6]+ complex formation in methanolâ€’acetonitrile mixed solvents. Russian Journal of General Chemistry, 2017, 87, 2229-2232.	0.3	0