Valentin A Sharnin

List of Publications by Year
in descending order

108 papers	635 citations	758635 12 h-index	887659 17 g-index
109 all docs	109 docs citations	109 times ranked	264 citing authors

#	Article	IF	Citations
1	Spatial structure, thermodynamics and kinetics of formation of hydrazones derived from pyridoxal 5â€²-phosphate and 2-furoic, thiophene-2-carboxylic hydrazides in solution. Journal of Molecular Liquids, 2019, 283, 825-833.	2.3	31
2	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
3	Thermodynamics of complex formation in mixed solvents K and Î”H for the formation reaction of [Gly18C6] at 298.15Â K. Journal of Thermal Analysis and Calorimetry, 2009, 97, 811-816.	2.0	18
4	Stability of Hâ€complexes of nicotinamide nitrogen heteroatom with water and ethanol in mixed solvents by ¹³C NMR probing. Magnetic Resonance in Chemistry, 2013, 51, 193-198.	1.1	18
5	Thermodynamics of complex formation between hydroxypropyl-Î²-cyclodextrin and quercetin in waterâ€“ethanol solvents at Tâ€‰=â€‰298.15Â K. Journal of Thermal Analysis and Calorimetry, 2019, 138, 417-424.	2.0	18
6	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
7	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
8	Influence of regioisomerism on stability, formation kinetics and ascorbate oxidation preventive properties of Schiff bases derived from pyridinecarboxylic acids hydrazides and pyridoxal 5â€²-phosphate. Journal of Molecular Liquids, 2017, 242, 1148-1155.	2.3	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	Comment on the frequently used method of the metal complex-DNA binding constant determination from UVâ€“Vis data. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 160-164.	2.0	15
11	Molecular complex formation between l-phenylalanine and 18-crown-6 in H2Oâ€“DMSO solvents studied by titration calorimetry at TÂ =Â 298.15Â K. Journal of Thermal Analysis and Calorimetry, 2013, 112, 399-405.	2.0	14
12	Interaction of pyridoxal-derived hydrazones with anions and Co2+, Co3+, Ni2+, Zn2+ cations. Physics and Chemistry of Liquids, 2020, , 1-13.	0.4	14
13	Complex formation of silver(I) with glycinate ion in aqueous ethanol and dimethyl sulfoxide solutions. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2008, 34, 624-628.	0.3	12
14	The gibbs energies of transfer of glycine and glycinate ion from water into water-dimethyl sulfoxide mixtures. Russian Journal of Physical Chemistry A, 2010, 84, 329-331.	0.1	12
15	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 298.15Â K. Journal of Thermal Analysis and Calorimetry, 2015, 121, 975-981.	2.0	12
16	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
17	Effect of medium acidity on the thermodynamics and kinetics of the reaction of pyridoxal 5â€²-phosphate with isoniazid in an aqueous solution. Russian Journal of Physical Chemistry A, 2017, 91, 843-849.	0.1	12
18	Solvent effect of aqueous ethanol on complex formation and protolytic equilibria in nicotinic acid solutions. Russian Journal of Inorganic Chemistry, 2008, 53, 1943-1947.	0.3	11

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19	Thermodynamics of protolytic equilibrium of nicotinic acid in water-ethanol solutions. Russian Journal of Physical Chemistry A, 2010, 84, 792-795.	0.1	11
20	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
21	The influence of reagents solvation on enthalpy change of glycine-ion protonation and silver(I) glycine-ion complexation in aqueous-dimethylsulfoxide solutions. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1457-1462.	2.0	11
22	Complexation between nickel(II), cobalt(III) and hydrazones derived from pyridoxal 5â€²-phosphate and hydrazides of 2-,3-,4-pyridinecarboxylic acids in aqueous solution. Journal of Coordination Chemistry, 2018, 71, 3304-3314.	0.8	11
23	Thermodynamic characteristics of the formation reactions of nickel(II) glycinates and the solvation of reagents in aqueous ethanol solutions. Russian Journal of Physical Chemistry A, 2010, 84, 153-157.	0.1	10
24	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
25	Pyrazine-2-carbohydrazone of Pyridoxal 5â€²-Phosphate: Synthesis, Stability, Formation Kinetics, and Interaction with DNA. Russian Journal of General Chemistry, 2019, 89, 230-235.	0.3	10
26	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
27	Stability of Cu(II) and Zn(II) Complexes with Pyridinecarbohydrazones of Pyridoxal-5-phosphate in Aqueous Solution. Russian Journal of General Chemistry, 2018, 88, 1436-1440.	0.3	9
28	Protonation of hydrazones derived from pyridoxal 5â€²-phosphate: Thermodynamic and structural elucidation. Journal of Molecular Liquids, 2020, 305, 112822.	2.3	9
29	Stability of Co(III), Ni(II), and Cu(II) Complexes with 2-Furan- and 2-Thiophenecarboxyhydrazones of Pyridoxal 5-Phosphate in Neutral Aqueous Solutions. Russian Journal of Inorganic Chemistry, 2020, 65, 119-125.	0.3	9
30	Complexation of Cyclodextrins with Benzoic Acid in Water-Organic Solvents: A Solvation-Thermodynamic Approach. Molecules, 2021, 26, 4408.	1.7	9
31	Thermodynamics of the Solvation and phase distributions of ethylenediamine in acetonitrile-dimethylsulfoxide-hexane systems. Russian Journal of Physical Chemistry A, 2013, 87, 444-448.	0.1	8
32	Gibbs energies of transferring triglycine from water into H2O-DMSO solvent. Russian Journal of Physical Chemistry A, 2014, 88, 1357-1360.	0.1	8
33	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
34	Solvation peculiarities of nicotinamide in aqueous ethanol. Russian Chemical Bulletin, 2012, 61, 510-517.	0.4	7
35	Dependence of the enthalpies of formation of Ag+ complexes with glycinate ion and the protonation of glycinate ion on the content of aqueous ethanol solvent. Russian Journal of Physical Chemistry A, 2012, 86, 53-58.	0.1	6
36	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

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37	Effect of ionic strength on the thermodynamic characteristics of complexation between Fe(III) ion and nicotinamide in water-ethanol and water-dimethyl sulfoxide mixtures. Russian Journal of Physical Chemistry A, 2013, 87, 967-972.	0.1	6
38	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
39	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
40	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
41	Effect of Waterâ€“Ethanol Solvents on the Protonation Constants of Cryptand[2.2.2]. Russian Journal of Physical Chemistry A, 2018, 92, 710-713.	0.1	6
42	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
43	The influence of water-acetone solvents on the acid-base properties of glycylglycine. Russian Journal of Physical Chemistry A, 2009, 83, 396-399.	0.1	5
44	The thermochemical characteristics of nicotinamide coordination by iron(III) and ligand protonation in aqueous-ethanolic mixtures. Russian Journal of Physical Chemistry A, 2009, 83, 1734-1736.	0.1	5
45	C₆₀Fullerene Crystallosolvates with Tetralin, CCl₄and 1,2-dihlorobenzene: Determination of Composition by DSC and FT-IR Measurements. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 435-444.	1.0	5
46	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
47	Enthalpies of glycylglycinate ion transfer from water to water-dimethyl sulfoxide solvent. Russian Journal of Physical Chemistry A, 2014, 88, 433-435.	0.1	5
48	Thermodynamics of molecular complexation of glycylâ€“glycylâ€“glycine with cryptand [2.2.2] in waterâ€“dimethylsulfoxide solvent at 298.15ÂK. Journal of Thermal Analysis and Calorimetry, 2016, 126, 307-314.	2.0	5
49	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
50	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
51	Quantum-Chemical Calculations and Stability Analysis of Copper(II) Complexes with Cryptand[2.2.2]. Russian Journal of Inorganic Chemistry, 2021, 66, 1696-1702.	0.3	5
52	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
53	Variation of thermodynamic parameters of crown ether-metal complex formation and reactant solvation in binary nonaqueous solvent mixtures. Russian Journal of General Chemistry, 2013, 83, 430-433.	0.3	4
54	Thermodynamics of the solvation and phase distributions of 2,2â€²-dipyridyl in acetonitrile-DMSO-hexane and methanol-DMSO-hexane systems. Russian Journal of Physical Chemistry A, 2014, 88, 2060-2063.	0.1	4

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55	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
56	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
57	Thermodynamics of the formation of Cu2+â€“glycyl-glycyl-glycine complex in waterâ€“ethanol solutions at 298 K. Russian Journal of Physical Chemistry A, 2016, 90, 1960-1964.	0.1	4
58	The Schiff bases of pyridoxal-5-phosphate and hydrazides of certain pyrazoles: Stability, kinetics of formation, and synthesis. Russian Journal of General Chemistry, 2017, 87, 1161-1166.	0.3	4
59	Hydrogen bonds determine the signal arrangement in 13 C NMR spectra of nicotinate. Journal of Molecular Structure, 2018, 1154, 565-569.	1.8	4
60	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
61	Complexation of nicotinamide with Ag+ ions in water-organic solvents. Russian Journal of Inorganic Chemistry, 2006, 51, 495-498.	0.3	3
62	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
63	The influence of composition of acetonitrile-dimethyl sulfoxide solvent on stability of silver(I)-ethylenediamine complexes. Russian Journal of Inorganic Chemistry, 2013, 58, 1576-1578.	0.3	3
64	Solvation State of Nicotinamide in Binary Solvents by 13C NMR Probing at Different Temperatures. Applied Magnetic Resonance, 2016, 47, 349-359.	0.6	3
65	Association and Solvation of Silver Nitrate and Perchlorate in Aqueous Ethanol. Journal of Solution Chemistry, 2016, 45, 286-298.	0.6	3
66	Structure of pyridoxine solvates in aqueous solution from quantum-chemical calculations and NMR spectroscopy. Journal of Structural Chemistry, 2017, 58, 276-282.	0.3	3
67	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
68	Constants of the Stability of Glycylglycinate Complexes of Copper(II) in Waterâ€“Ethanol Solutions. Russian Journal of Physical Chemistry A, 2019, 93, 1460-1464.	0.1	3
69	The Effect on Composition of EtOH : H2O Solution on the Stability of Cobalt(II) Glycylglycinate Complexes. Russian Journal of Inorganic Chemistry, 2020, 65, 535-539.	0.3	3
70	Composition and Stability of Copper(II) Complexes with [2.2.2]Cryptand in Aqueous and Aqueous Ethanol Solutions. Russian Journal of Physical Chemistry A, 2021, 95, 968-973.	0.1	3
71	Thermodynamics of Complexation Reactions between d-Metal Ions and Glycine and Glycylglycine Anions in Waterâ€“Organic Solvents. Russian Journal of Physical Chemistry A, 2021, 95, 1350-1357.	0.1	3
72	Thermodynamic parameters of the complexation of the silver(I) ion with 2,2â€²-dipyridyl in methanol-dimethylformamide binary solvents. Russian Journal of Physical Chemistry A, 2006, 80, 823-825.	0.1	2

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73	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
74	Nicotinamide solvation state in aqueous dimethyl sulfoxide. Russian Chemical Bulletin, 2013, 62, 1183-1190.	0.4	2
75	Enthalpies of Iron(III) perchlorate and Fe3+ ion transfer from water into aqueous ethanol solvents. Russian Journal of Physical Chemistry A, 2013, 87, 1821-1824.	0.1	2
76	Complexation of nickel (II) ion with B3 vitamin in aqueous dimethyl sulfoxide. Open Chemistry, 2013, 11, 1959-1963.	1.0	2
77	Composition and stability of complexes of maleic and succinic acids with Cu2+ ions in water-ethanol solutions at 298 K. Russian Journal of Physical Chemistry A, 2014, 88, 1695-1699.	0.1	2
78	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
79	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
80	Enthalpies of Glycine Protonation in Waterâ€"Acetone and Waterâ€"Ethanol Solvents. Russian Journal of Physical Chemistry A, 2018, 92, 2176-2181.	0.1	2
81	Thermodynamics and Kinetics of the Reaction between Pyridoxal-5-Phosphate and Hydrazides of 2-Methylfuran-3-Carboxylic and Thiophene-3-Carboxylic Acids in an Aqueous Solution. Russian Journal of Physical Chemistry A, 2019, 93, 192-197.	0.1	2
82	Protolytic Equilibrium Constants of Nicotinic Acid Solutions in Waterâ€"Dimethylsulfoxide Mixtures. Russian Journal of Physical Chemistry A, 2020, 94, 2030-2033.	0.1	2
83	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
84	Influence of the composition of acetonitrile-dimethyl sulfoxide solvent on the thermodynamics of silver(I) complexation with piperidine. Russian Journal of Physical Chemistry A, 2007, 81, 1703-1705.	0.1	1
85	Dependence of enthalpies of formation of the Cu2+ complexes with glycinate ions on the composition of waterâ€"dimethylsulfoxide solvent. Russian Journal of Physical Chemistry A, 2012, 86, 215-218.	0.1	1
86	Thermochemistry of the silver(I) complexation with 18-crown-6 ether in binary acetonitrileâ€"dimethylsulfoxide solvents. Russian Journal of Physical Chemistry A, 2012, 86, 151-153.	0.1	1
87	Thermodynamic characteristics of complex formation reactions between d- and f-elements and alkylated dipyrrolylmethene in dimethylformamide. Russian Journal of Physical Chemistry A, 2012, 86, 1053-1057.	0.1	1
88	Solvation of reagents in a silver(I)-nicotinamide coordination equilibrium in water-ethanol solutions, according to NMR data. Russian Journal of Physical Chemistry A, 2013, 87, 418-422.	0.1	1
89	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
90	Effect of waterâ€"ethanol solvent on the stability of copper(ii) coordination compound with the nicotinate ion. Russian Chemical Bulletin, 2015, 64, 2597-2600.	0.4	1

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91	Effect of the composition of dimethyl sulfoxideâ€“acetonitrile solvent on the stability of silver(I) complexes with 2,2'-bipyridyl. Russian Journal of Inorganic Chemistry, 2016, 61, 926-928.	0.3	1
92	Heat Effect of the Protonation of Glycine and the Enthalpies of Resolvation of Participating Chemical Species in Waterâ€“Dimethylsulfoxide Solvent Mixtures. Russian Journal of Physical Chemistry A, 2018, 92, 214-219.	0.1	1
93	Solvation of Piperidine in Nonaqueous Solvents. Russian Journal of Physical Chemistry A, 2018, 92, 2095-2097.	0.1	1
94	Molecular Dynamics Simulation of the Solvated Environment of 18-Crown-6 Ether in Mixed Ethanolâ€“Dimethylsulfoxide. Russian Journal of Physical Chemistry A, 2019, 93, 1513-1518.	0.1	1
95	Calculating the Gibbs Energies of Solvation of 2,2'-Dipyridyl in Nonaqueous Solvents. Russian Journal of Physical Chemistry A, 2019, 93, 1206-1208.	0.1	1
96	Thermodynamic Characteristics of the Resolvation of Glycylglycinate Ions and Their Contribution to the Change in Stability of Complexes with Cu(II) and Ni(II) in Aqueousâ€“Organic Solvents. Russian Journal of Physical Chemistry A, 2020, 94, 13-17.	0.1	1
97	Stability Constants of Copper(II) Glycylglycinate Complexes in Waterâ€“Dimethylsulfoxide Solutions. Russian Journal of Physical Chemistry A, 2020, 94, 249-253.	0.1	1
98	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
99	Calorimetric study of the thermodynamics of iron (III) complexation with nicotinic acid in aqueous ethanol. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5519-5524.	2.0	1
100	Enthalpies of Acid-Base Equilibria in Aqueous Ethanol Solutions of Amino Acids and Peptides: Calculations and Experiments. Russian Journal of Physical Chemistry A, 2022, 96, 710-716.	0.1	1
101	Maleic acid solvation in mixed water-ethanol solvents. Russian Journal of Physical Chemistry A, 2012, 86, 577-579.	0.1	0
102	Stability of copper(II) complexes with nicotinate ion in water solutions of ethanol and dimethyl sulfoxide. Russian Journal of Inorganic Chemistry, 2016, 61, 1616-1619.	0.3	0
103	Stability of coordination compounds of Ni2+ and Co2+ ions with succinic acid anion in waterâ€“ethanol solvents. Russian Journal of Physical Chemistry A, 2017, 91, 662-666.	0.1	0
104	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
105	Energy of Solvation and a Quantum-Chemical Model of the Structure of 18-Crown-6 Ether in Nonaqueous Solvents. Russian Journal of Physical Chemistry A, 2018, 92, 1494-1498.	0.1	0
106	Thermodynamics of the Acidâ€“Base Equilibria of Glycylâ€“Glycylâ€“Glycine and the Formation of Its Complex with a Copper(II) Ion in Aqueousâ€“Organic Solvents. Russian Journal of Physical Chemistry A, 2019, 93, 81-88.	0.1	0
107	Solvated State of Ethylenediamine in Nonaqueous Solvents, According to Quantum Chemical Data. Russian Journal of Physical Chemistry A, 2020, 94, 2051-2054.	0.1	0
108	Thermodynamic Characterization of the Chelate Effect in the Complexation of d-Metal Ions and Amines in Nonaqueous Media. Russian Journal of Physical Chemistry A, 2022, 96, 704-709.	0.1	0