

Nataliya Sh Lebedeva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

504
citations

10
h-index

15
g-index

100
ext. papers

590
ext. citations

2.2
avg, IF

3.77
L-index

#	Paper	IF	Citations
97	Localization of porphyrins and their metal complexes in albumin and its effect on protein aggregation and denaturation. <i>Journal of Molecular Structure</i> , 2022 , 1254, 132304	3.4	
96	Aggregation of protein complexes with porphyrins under light irradiation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021 , 25, 145-152	1.8	1
95	Modeling the binding of protoporphyrin IX, verteporfin, and chlorin e6 to SARS-CoV-2 proteins. <i>Chemistry of Heterocyclic Compounds</i> , 2021 , 57, 1-9	1.4	5
94	Molecular mechanisms causing albumin aggregation. The main role of the porphyrins of the blood group. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 118975	4.4	1
93	Pyrolysis of Complexes of Metallophthalocyanines with Chitosan for Obtaining Graphite-Like Structures. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 3991-4000	3.2	0
92	A study of protein aggregation activators in molecular complexes of cationic porphyrins and chlorin with BSA. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116632	6	0
91	Theoretical and experimental study of interaction of macroheterocyclic compounds with ORF3a of SARS-CoV-2. <i>Scientific Reports</i> , 2021 , 11, 19481	4.9	4
90	Albumin aggregation promoted by protoporphyrin in vitro. <i>Mendeleev Communications</i> , 2020 , 30, 211-213	3.9	4
89	Macroheterocyclic Compounds - a Key Building Block in New Functional Materials and Molecular Devices. <i>Macrocycles</i> , 2020 , 13, 311-467	2.2	36
88	The Application of Porphyrins and Their Analogues for Inactivation of Viruses. <i>Molecules</i> , 2020 , 25,	4.8	17
87	Application of EPR to porphyrin-protein agents for photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 211, 112008	6.7	9
86	Complexing Ability of Heterocyclic N-Oxides Toward Proton Donor Compounds. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 1409-1414	0.7	
85	Comparison of the complexing ability of zinc (II) porphyrins to diamines. <i>Journal of Molecular Liquids</i> , 2019 , 288, 111024	6	1
84	Effect of pH on Albumin Binding with Hydrophobic Porphyrins. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 565-569	0.7	1
83	The Condition of Metal Complexes of Tetraanthraquinoneporphyrazines in Solutions. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 619-625	0.7	
82	Spectral and thermochemical research of the DNA polyplex with chitosan formation process and the influence of anionic and cationic compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 215, 153-157	4.4	
81	Thermochemical research of chitosan complexes with sulfonated metallophthalocyanines. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 1153-1160	7.9	3

80	Effect of macrocyclic compounds to protein aggregation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019 , 95, 199-206	1.7	1
79	Chitosans: Thermochemical Study. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 2432-2437	0.7	1
78	The interaction of 5,10,15,20-tetrakis [4- (2,3,4,6-tetra-O-acetyl- β -D-galactopyranosyl) phenyl] porphine with biopolymers. <i>Dyes and Pigments</i> , 2019 , 162, 266-271	4.6	6
77	Photoisomerization of Styryl Derivatives of Pyridine N-Oxide. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 804-808	0.7	2
76	Effect of irradiation spectral range on porphyrin-protein complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 299-305	4.7	13
75	Interactions of tetracationic porphyrins with DNA and their effects on DNA cleavage. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 199, 235-241	4.4	10
74	Acrylamide polymers with covalently linked zinc(ii)tetraphenylporphyrin groups: synthesis and complexation with amino acids. <i>Mendeleev Communications</i> , 2018 , 28, 158-160	1.9	3
73	Features of interaction of tetraiodide meso-tetra(N-methyl-3-pyridyl)porphyrin with bovine serum albumin. <i>Journal of Molecular Liquids</i> , 2018 , 265, 664-667	6	10
72	Thermochemical Insights into Fullerene Aggregation and the Phthalocyanine-Fullerene Interaction in Efficient Solvents. <i>ChemPhysChem</i> , 2018 , 19, 284-290	3.2	3
71	The interaction of cationic and anionic porphyrins with the bovine serum albumin in borate buffer. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017 , 88, 191-198	1.7	5
70	Thermochemical study of the trans- and cis-isomeric forms of 4-(4-methoxystyryl)pyridine N-oxide. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 619-623	0.7	1
69	A pH-controllable protein container for the delivery of hydrophobic porphyrins. <i>Mendeleev Communications</i> , 2017 , 27, 47-49	1.9	5
68	A new strategy for targeted delivery of non-water-soluble porphyrins in chitosan-albumin capsules. <i>Colloid and Polymer Science</i> , 2017 , 295, 2173-2182	2.4	8
67	Features of Chitosan interaction with copper(II) and cobalt(II) tetrasulfophthalocyanines. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 2327-2331	0.7	4
66	Thermodynamic Aspects of Binding Proteins with Porphyrins. Spectral and Thermochemical Approaches. <i>Macroheterocycles</i> , 2017 , 10, 37-42	2.2	2
65	Spectral and hydrodynamic studies of complex formation of tetraalkoxy substituted zinc(II)phthalocyanines with defatted and nondefatted bovine serum albumin. <i>Biochip Journal</i> , 2016 , 10, 1-8	4	4
64	Zinc tetra-4-(4'-carboxyphenoxy)phthalocyanine as a new site-specific marker for serum albumin. <i>Russian Journal of Bioorganic Chemistry</i> , 2016 , 42, 29-35	1	2
63	Thermodynamic aspects of interaction zinc(II)tetraphenylporphyrin with bidentate ligands in dilute solutions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016 , 84, 71-77	1.7	4

62	Kinetic analysis of the thermal oxidative degradation of upper peat. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 434-438	0.7	
61	Interaction between albumin and zinc tetra-4-[(4-carboxy)phenylamino]phthalocyanine. <i>Mendeleev Communications</i> , 2015 , 25, 307-309	1.9	7
60	Development and certification of an automated differential titration photocalorimeter. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 724-728	0.7	4
59	Thermodynamic characteristics of the formation of a zinc(II) tetraphenylporphyrin complex with aromatic amines. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 737-740	0.7	1
58	Investigation of interaction between alkoxy substituted phthalocyanines with different lengths of alkyl residue and bovine serum albumin. <i>Journal of Luminescence</i> , 2015 , 166, 71-76	3.8	8
57	Crystal structure of molecular complexes of zinc(II) tetraphenylporphyrin with pyridine and quinoline N-oxides. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 906-910	0.7	2
56	Interaction peculiarities of 5,10,15,20-tetrakis(4-N-methylpyridil) tetra iodide porphyrin with albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 395-8	4.4	7
55	Thermo-oxidative degradation of styryl derivatives of pyridine-N-oxides. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2107-2113	0.7	1
54	Stability of benzotriazolyl-substituted phthalocyanines with respect to thermal oxidative decomposition. <i>Russian Journal of Physical Chemistry A</i> , 2013 , 87, 352-356	0.7	10
53	Formation of bovine serum albumin associates with zinc tetra(4,4'-carboxy)phenylamino- and tetra-(4,4'-carboxy)phenoxy phthalocyanines in aqueous-organic solutions at 298 K. <i>Russian Journal of Physical Chemistry A</i> , 2013 , 87, 2030-2033	0.7	6
52	Determination of Stability of Molecular Complexes of Zinc(II) meso-Tetraphenylporphyrin with Heterocyclic N-Oxide and Pyridine by Different Methods. <i>Macrocyclics</i> , 2013 , 6, 106-110	2.2	8
51	Influence of complex formation with tetraantraquinoporphyrazines and tetrasulphophthalocyanine on thermal stability of bovine serum albumin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011 , 15, 223-229	1.8	7
50	Interaction Between Poly-N-Vinylpyrrolidone, 5,10,15,20-Tetraphenylporphyrin and 5,10,15,20-Tetra(4'-Hydroxy-3',5'-Di-Tert-Butylphenyl)-21h,23h-Porphyrin. <i>Journal of Solution Chemistry</i> , 2010 , 39, 1113-1121	1.8	3
49	Photoinduced isomerization of 4-(4'-dimethylaminostyryl) pyridine N-oxide. <i>Journal of Structural Chemistry</i> , 2009 , 50, 722-726	0.9	1
48	Intermolecular interactions of tetraphenyl-porphyrin and its pyridine metallocomplexes in the crystalline state. <i>Journal of Structural Chemistry</i> , 2009 , 50, 769-774	0.9	
47	Thermal behavior of quinoline N-oxide hydrates and deuterohydrate. <i>Russian Journal of General Chemistry</i> , 2009 , 79, 1183-1190	0.7	3
46	Topography and electrical conductivity of films of molecular complexes of zinc(II)tetra-tert-butylphthalocyanine with electron-donating ligands. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008 , 12, 1118-1122	1.8	1
45	Thermal oxidative destruction of complexes of heterocyclic N-oxides with Zn(II)tetra-phenylporphyrin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 91, 601-608	4.1	5

44	Spectroscopic studies of zinc(II)tetraphenylporphyrin molecular complex with 1,4-dioxane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 70, 939-42	4.4	2
43	meso-tetraalkyltetrabenzoporphyrins and their zinc complexes. Synthesis and properties. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 1255-1259	0.7	2
42	New basicity/nucleophilicity scale on the basis of parameters of formation of axial n _π * complexes derived from tetraphenylporphyrinatozinc(II) and base/nucleophile as ligand. <i>Russian Journal of Organic Chemistry</i> , 2008 , 44, 906-915	0.7	9
41	Desolvation of Zinc(II)tetra-tert-butylphthalocyanine Crystal Solvates as Probed by Thermogravimetry. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 261-267	1.5	2
40	Thermogravimetric and spectral studies of the reaction between benzotriazolyl derivatives of phthalodinitriles and copper(II) acetate. <i>Russian Journal of Physical Chemistry A</i> , 2008 , 82, 1847-1850	0.7	3
39	X-ray diffraction and IR spectral characteristics of zinc(II)tetra-tert-butylphthalocyanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 68, 491-4	4.4	12
38	Kinetics of thermal oxidative decomposition of zinc porphyrin and phthalocyanine complexes. <i>Russian Journal of General Chemistry</i> , 2007 , 77, 629-640	0.7	6
37	Thermooxidative decomposition of heterocyclic N-oxides. <i>Russian Journal of General Chemistry</i> , 2007 , 77, 1093-1099	0.7	7
36	Thermogravimetry of π-complexes of zinc(II)tetra-tert-butylphthalocyanine with aromatic molecules. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 87, 437-440	4.1	4
35	Thermal and spectral analyses of complexes of zinc(II)tetra-tert-butylphthalocyanine with amines. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007 , 59, 71-80		3
34	Effect of the Type of Glycosidic Linkage on the Selective Interactions of Maltose and Cellobiose with Some Crown Ethers in Dilute Aqueous Solutions. <i>Journal of Solution Chemistry</i> , 2007 , 36, 97-105	1.8	4
33	Dimerization and Coordination Properties of Zinc(II)tetra-4-alkoxybenzoyloxiphthalocyanine in Relation to DABCO in o-Xylene and Chloroform. <i>Journal of Solution Chemistry</i> , 2007 , 36, 793-801	1.8	16
32	Thermodynamic properties for intermolecular complexes of zinc(II)tetra-tert-butyl-phthalocyanine with ligands. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 165-172	2.9	4
31	Crystal solvates of carboxy-substituted Zn(II) phthalocyaninates with pyridine. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2006 , 32, 740-743	1.6	
30	Complex formation between hemin and pyridine and its influence on the state of hemin in water-pyridine solutions. <i>Russian Journal of Physical Chemistry A</i> , 2006 , 80, 1255-1258	0.7	
29	Co-aggregation of fullerene C60 and thiophene in the non-aromatic solvent cyclohexene. <i>Thermochimica Acta</i> , 2005 , 430, 167-171	2.9	6
28	Thermal oxidative destruction of cobalt(II)phthalocyanines with oxygen containing substituents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 81, 451-455	4.1	3
27	Interaction of Zinc(II) tetra-tert-butyl-phthalocyaninate with organic ligands in solution. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2005 , 31, 108-114	1.6	4

26	Complexation processes in KF-SbF ₃ -H ₂ O system studied by calorimetric titration. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2005 , 31, 156-158	1.6	1
25	Complexation of D-Xylose and L-Arabinose with 18-Crown-6 in Aqueous Solutions: Calorimetric, Densimetric, and Viscometric Studies. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2005 , 31, 899-903	1.6	3
24	Aggregative Properties of Water-soluble Metal Phthalocyanines in a Borate Buffer Solution. <i>Russian Journal of General Chemistry</i> , 2005 , 75, 645-650	0.7	2
23	Effect of molecular complex formation of metallophthalocyanines with pyridine on their aggregation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005 , 09, 240-247	1.8	8
22	Interactions of D-Maltose and Sucrose with Some Amino Acids in Aqueous Solutions. <i>Journal of Solution Chemistry</i> , 2004 , 33, 1-10	1.8	32
21	Coordination ability of zinc(ii) porphyrins with respect to electron-donating ligands. Influence of the structure and solvation effects. <i>Russian Chemical Bulletin</i> , 2004 , 53, 330-334	1.7	2
20	Aggregation properties of water-soluble metal p hthalocyanines: effect of ionic strength of solution. <i>Russian Chemical Bulletin</i> , 2004 , 53, 2674-2683	1.7	18
19	Interaction of zinc(II) tetra-tert-butyl-phthalocyaninate with organic ligands in solution. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2004 , 30, 864-867	1.6	1
18	Basicity parameter of weak organic bases, derived from thermodynamic parameters of their reactions with (tetraphenylporphyrinato)zinc(II). <i>Russian Journal of Organic Chemistry</i> , 2004 , 40, 1727-1736	0.7	5
17	Peculiarities of solvation interaction of water-soluble metallophthalocyanines with ethanol. <i>Thermochimica Acta</i> , 2004 , 417, 127-132	2.9	10
16	Calorimetric study of binding of some disaccharides with crown ethers. <i>Thermochimica Acta</i> , 2004 , 421, 31-33	2.9	8
15	On the Nature of Interaction Between Fullerene and Aniline. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2004 , 12, 583-592	1.8	4
14	Crystallosolvates of Zn(II)-tetra-tert-butylphthalocyanine with organic ligands: spectroscopic and thermogravimetric studies. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 558-564	1.8	4
13	Thermodynamics of Donor-Acceptor Interaction of Tetraphenylporphyrinatozinc with Amides and Dimethyl Sulfoxide. <i>Russian Journal of General Chemistry</i> , 2003 , 73, 968-972	0.7	1
12	Thermodynamics of complex formation of natural iron(III)porphyrins with neutral ligands. <i>Thermochimica Acta</i> , 2003 , 404, 19-24	2.9	8
11	Association of Zn(II)tetra-4-carboxyphthalocyanine in aqueous solutions. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2003 , 94, 924-927	0.7	6
10	Determination of the dimerization constants of water soluble metallophthalocyanines by calorimetric titration using electron-donating ligands. <i>Mendeleev Communications</i> , 2003 , 13, 237-238	1.9	10
9	Correlation between thermodynamic stability of zinc(II)tetraphenylporphyrine complexes with neutral molecules and physicochemical properties of the coordinated ligands. <i>Thermochimica Acta</i> , 2002 , 390, 179-186	2.9	11

8	Molecular Complexes of Phthalocyanine with Organic Solvents. <i>Russian Journal of Organic Chemistry</i> , 2002 , 38, 1195-1199	0.7	5
7	Thermodynamics of Complexation of Sucrose with 18-Crown-6 in Water. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2002 , 28, 822-824	1.6	7
6	Thermodynamics of intermolecular interactions between saccharides and 18-crown-6 in water. <i>Mendeleev Communications</i> , 2002 , 12, 80	1.9	1
5	Thermodynamics of Formation of Molecular Complexes of Metalloporphyrins with Pyridine in Organic Solvents at 298.15 K. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 167-171	1.6	1
4	Thermodynamics of Formation of Molecular Synthetic Metalloporphyrin Complexes with Pyridine in Benzene and in Chloroform at 298.15 K. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 751-755	1.6	3
3	Complex Formation of Magnesium(II) with Octaaryl tetraazaporphyrins in Pyridine. <i>Russian Journal of General Chemistry</i> , 2001 , 71, 1058-1065	0.7	5
2	Titration Calorimetric Investigations on the Interactions of Zn(II) Porphyrin Complexes with Pyridine in Benzene and Chloroform at 298.15 K. <i>Magyar Árvad Kémiai Évkönyv</i> , 1999 , 58, 741-748	0	6
1	Titration Calorimetric Investigation of Interactions of Zinc(II), Nickel(II), and Copper(II) Tetraphenylporphyrin Complexes with Pyridine in Three Solvents. <i>Journal of Solution Chemistry</i> , 1998 , 27, 879-886	1.8	15