MiKhael Ryabov

List of Publications by Year in Descending Order

91 papers	308 citations	9 h-index	13 g-index
98 ext. papers	331 ext. citations	1.1 avg, IF	2.98 L-index

#	Paper	IF	Citations
91	Quantum-Chemical Simulation of Charge-Transfer Complexes of 2,4,7-Trinitro-9H-fluoren-9-one with Donor Molecules. Crystal and Molecular Structure of the 1 : 1 Complex of 2,4,7-Trinitro-9H-fluoren-9-one with Anthracene. *Russian Journal of General Chemistry*, **2022**, 92, 212-223	0.7	0
90	CHARGE TRANSFER COMPLEXES OF NITRO DERIVATIVES OF 9,10-PHENANTHRENEQUINONE WITH ANTHRACENE. CRYSTAL AND MOLECULAR STRUCTURES OF THE (1:1) COMPLEX OF 2,4,7-TRINITRO- 9,10-PHENANTHRENEQUINONE WITH ANTHRACENE. *Journal of Structural Chemistry*, **2021**, 62, 137-146	0.9	2
89	Removing organic harmful compounds from the polluted water by a novel synthesized cobalt(II) and titanium(IV) containing photocatalyst under visible light. *Environmental Nanotechnology, Monitoring and Management*, **2020**, 14, 100304	3.3	2
88	Novel Cu(II), Ni(II), Zn(II), Cd(II), and Mg(II) complexes with a series of 2-arylhydrazono-1,3-dicarbonyl compounds. Synthesis, structure and spectroscopic characteristics. *Polyhedron*, **2020**, 184, 114557	2.7	3
87	Crystal, Molecular, Electronic Structures and Spectroscopic Characteristics of N-Hydroxyamide of 3-[3,3-Dimethyl-1,2,3,4-Tetrahydroisoquinolin-1-Iden]-2-Oxopropanoic Acid. *Journal of Structural Chemistry*, **2019**, 60, 1396-1406	0.9	
86	Complexes of Co(II), Ni(II), and Cu(II) with (Z)-10-(2-(4-Amino-5-Thioxo-4,5-Dihydro-1H-1,2,4-Triazol-3-yl)hydrazono)-9-Phenanthrone: Synthesis, Spectral Studies, and Quantum Chemical Simulation of the Structures. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2019**, 45, 1-10	1.6	
85	Synthesis and Structures of 1,3-Dicarbonyl Compounds Based on 9,10-Phenanthrenequinone. Crystal and Molecular Structure of the Lantern-Type Binuclear Copper(II) Complex Cu2[μ2-OOCCH2(C14H8)(CO)2OC2H5]4(NCCH3)2. *Crystallography Reports*, **2019**, 64, 887-893	0.6	
84	Thermal decomposition of bimetallic titanium complexes: A new method for synthesizing doped titanium nano-sized catalysts and photocatalytic application. *Materials Science and Engineering C*, **2019**, 97, 813-826	8.3	9
83	Coordination Compounds of Bivalent Metals with (Z)-4-(2-Hydroxy-5-nitrophenyl)hydrazono-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one: Crystal and Molecular Structure of C16H13N5O4. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 874-880	1.5	1
82	Reaction of 8-chloro-5,7-dinitroquinoline with □dicarbonyl compounds. *Russian Journal of Organic Chemistry*, **2017**, 53, 557-561	0.7	0
81	Crystal structure of (2Z)-(3,3-dimethyl-3,4-dihydroisoquinolin- 1(2H)-ylidene)nitrosoacetonitrile. *Crystallography Reports*, **2017**, 62, 566-571	0.6	
80	Synthesis and characterization of a series of novel metal complexes of N-heterocyclic azo-colorants derived from 4-azo-pyrazol-5-one. *Polyhedron*, **2017**, 121, 41-52	2.7	14
79	Synthesis, crystal structure, and electronic structure of a copper(II) chloride complex with 9(E)-phenanthrene-9,10-dione[(1Z)-3,3-dimethyl-3,4-dihydroisoquinolin-1(2H)-ylidene]hydrazone [Cu2(L-H)2Cl2]. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 927-934	1.5	3
78	Synthesis, crystal structure, and spectroscopic studies of 10-(1-phthalazinylazo)-9-phenanthrol (HL). Complexation of cadmium and zinc chlorides with HL. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 284-292	1.5	4
77	Synthesis and structure of complexes of some d metals with 10-(2-benzothiazolylazo)-9-phenanthrole (HL). Crystal and molecular structures of [CdL2] □DMF. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 144-151	1.5	2
76	Study of tautomeric transformations of 1,4,5,8-tetraaminoanthraquinone by electronic spectroscopy. *Russian Journal of Physical Chemistry A*, **2013**, 87, 623-627	0.7	
75	Tautomeric composition and tautomeric transformation sequence of 1,4-bis(alkylamino)anthraquinones. *Russian Journal of General Chemistry*, **2013**, 83, 485-491	0.7	1

74	Competing tautomeric transformations and the structure of 1-(alkyl,aryl)amino-4-hydroxyanthraquinones. *Russian Journal of Organic Chemistry*, **2013**, 49, 696-701	0.7	
73	Crystal and molecular structure and electronic structure of a copper(II) complex with 10-(1-phthalazinylazo)-9-phenanthrol (HL) [Cu2(L)2(H2O)4](ClO4)2. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 1457-1464	1.5	3
72	Molecular, crystal, and electronic structure of the cobalt(II) complex with 10-(2-benzothiazolylazo)-9-phenanthrol. *Crystallography Reports*, **2013**, 58, 427-436	0.6	3
71	Synthesis, crystal structure, and spectral studies of 10-(2-Benzothiazolylazo)-9-phenanthrol. *Crystallography Reports*, **2012**, 57, 227-234	0.6	9
70	Protonation of 1,4,5-tri- and 1,4,5,8-tetrahydroxyanthraquinones in sulfuric acid: Multistep reaction involving tautomers and conformers. *Russian Journal of Organic Chemistry*, **2012**, 48, 667-675	0.7	
69	1,10-quinoid structure and prototropic amino-imine tautomerism of □aminoanthraquinones. *Russian Journal of General Chemistry*, **2012**, 82, 1558-1566	0.7	2
68	Chemical and physical processes and accompanying tautomeric transformations. *Russian Journal of General Chemistry*, **2012**, 82, 1616-1617	0.7	2
67	New stage in the development of anthraquinone chemistry and the structure of alizarin. *Russian Journal of Organic Chemistry*, **2012**, 48, 376-382	0.7	1
66	Synthesis and crystal structure of (1H-Benzo[d]imidazol-2-yl)(3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)methanone (L). complex formation of copper(II) and cobalt(II) chlorides with L. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2011**, 37, 688-695	1.6	
65	Tautomeric composition as a compound characteristic. *Russian Journal of General Chemistry*, **2011**, 81, 791-792	0.7	4
64	Isomeric structure of □amino substituted anthraquinones. *Russian Journal of General Chemistry*, **2011**, 81, 2203-2204	0.7	2
63	Determination of the sequence of tautomeric and conformational transformations of organic compounds. *Russian Journal of General Chemistry*, **2011**, 81, 2205-2206	0.7	1
62	Isomeric form and proton localization in (9E)-phenanthrene-9,10-dione[(1Z)-3,3-dimethyl-3,4-dihydroisoquinolin-1(2H)-ylidene]hydrazonium bromide. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 700-708	1.5	2
61	Tautomerism of the metal complexes with 1-amino-4-hydroxyanthaquinone. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2010**, 36, 396-400	1.6	6
60	Keto-oxy tautomerism. *Russian Journal of General Chemistry*, **2010**, 80, 550-550	0.7	1
59	Quantum-chemical and correlation study of deprotonation and complexation of 1-amino-4-hydroxyanthraquinone. *Russian Journal of General Chemistry*, **2010**, 80, 1986-1995	0.7	7
58	Role of tautomerism and rotational isomerism in the interaction of □hydroxyanthraquinones with boric acid. *Russian Journal of General Chemistry*, **2010**, 80, 2470-2477	0.7	1
57	Tautomerism of anthraquinones: X. Quinizarin boron complex. *Russian Journal of Organic Chemistry*, **2010**, 46, 331-335	0.7	3

56	Tautomerism of anthraquinones: XI. 1-amino-4-hydroxyanthraquinone. *Russian Journal of Organic Chemistry*, **2010**, 46, 655-660	0.7	5
55	Isomerism of 1-amino-4-hydroxy-9,10-anthraquinone. *Russian Journal of General Chemistry*, **2009**, 79, 1931-1932	0.7	
54	Tautomerism of anthraquinones: VIII. Tautomerism and conformations of 1,4-diamino-9,10-anthraquinone. *Russian Journal of Organic Chemistry*, **2009**, 45, 374-382	0.7	9
53	Tautomerism of anthraquinones: IX. Protonated 1,5- and 1,8-dihydroxyanthraquinones. *Russian Journal of Organic Chemistry*, **2009**, 45, 1445-1451	0.7	2
52	Synthesis, crystal structure, and spectra of 9(E)-phenanthrene-9,10-dione[(1Z)-3,3-dimethyl-3,4-dihydroisoquinolin-1(2H)-ylidene]hydrazone and its cation-anion complex with copper(I) bromide. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 893-905	1.5	6
51	Synthesis and the crystal and molecular structures of 4-(piperidyl-1)-2-phenylpyrido[2,3-a]anthraquinone-7,12 Mono- and dibromohydrates (HL)Br □3H2O and (H2 L)Br2 □3H2O. *Crystallography Reports*, **2009**, 54, 68-73	0.6	1
50	Tautomerism of metal complexes with carminic acid. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2008**, 34, 310-314	1.6	6
49	Quantum-chemical and correlation study of the tautomerism and ionization of 1,2,3-Trihydroxy-9,10-anthraquinone. *Russian Journal of General Chemistry*, **2008**, 78, 1393-1397	0.7	1
48	Absorption spectra and structure of benzimidazoquinozalinone derivatives. *Russian Journal of General Chemistry*, **2008**, 78, 1579-1585	0.7	3
47	Tautomerism and rotation isomerism of 1,4-diamino-9,10-antraquinone. *Russian Journal of General Chemistry*, **2008**, 78, 2167-2168	0.7	
46	Quantum-chemical and correlation study of quinizarine protonation. *Russian Journal of General Chemistry*, **2008**, 78, 2379-2385	0.7	2
45	Tautomerism of metal complexes with quinalizarin. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2007**, 33, 621-629	1.6	3
44	Quantum-chemical and correlation study on tautomerism and ionization of Quinalizarin. *Russian Journal of General Chemistry*, **2007**, 77, 1350-1355	0.7	
43	Tautomerism and ionization of carminic acid. *Russian Journal of General Chemistry*, **2007**, 77, 1769-1774	0.7	4
42	Anthraquinones tautomerism: VI. Substituted 1,4,5-trihydroxyanthraquinones. *Russian Journal of Organic Chemistry*, **2007**, 43, 729-734	0.7	3
41	Anthraquinones tautomerism: VII. Hydroxy-substituted anthraquinones. *Russian Journal of Organic Chemistry*, **2007**, 43, 1460-1465	0.7	5
40	Tautomerism of metal complexes with 1,8-dihydroxy-3-R1-6-R2-9,10-anthraquinones. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2006**, 32, 136-141	1.6	
39	Metal complexes with 1-hydroxyanthraquinone and its derivatives: Electronic absorption spectra and ligand structures. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2006**, 32, 610-613	1.6	1

38	Quantum-chemical and correlation study on the tautomerism and ionization of 1,4,5,8-tetrahydroxy-9,10-anthraquinone and its alkyl-substituted derivatives. *Russian Journal of General Chemistry*, **2006**, 76, 1431-1440	0.7	5
37	Tautomerism of anthraquinones: III. Tautomerization and rotational isomerization as processes responsible for the appearance of several □,□-bands in the absorption spectra of hydroxy-substituted quinones. *Russian Journal of Organic Chemistry*, **2006**, 42, 1464-1468	0.7	9
36	Tautomerism of anthraquinones: IV. 1-Hydroxy-9,10-anthraquinone and its substituted derivatives. *Russian Journal of Organic Chemistry*, **2006**, 42, 1469-1472	0.7	9
35	Tautomerism of anthraquinones: V. 1,5-Dihydroxy-9,10-anthraquinone and its substituted derivatives. *Russian Journal of Organic Chemistry*, **2006**, 42, 1662-1667	0.7	3
34	□□-Absorption bands as a valuable source of information on the structure of tautomers and conformers. *Russian Journal of General Chemistry*, **2006**, 76, 578-579	0.7	3
33	Tautomeric and conformational isomerism of natural hydroxyanthraquinones. *Chemistry of Natural Compounds*, **2006**, 42, 269-276	0.7	1
32	Tautomerism of the Natural 1,8-Dihydroxy-9,10-anthraquinones Chrysophanol, Aloe-emodin, and Rhein. *Chemistry of Natural Compounds*, **2005**, 41, 146-152	0.7	2
31	Tautomerism of the Natural Anthraquinones Physcion and Emodin and Their Analogs. *Chemistry of Natural Compounds*, **2005**, 41, 501-507	0.7	4
30	Electronic absorption spectra and the structure of the ligand in metal complexes with purpurin. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2005**, 31, 221-224	1.6	
29	A Quantum-Chemical and Correlation Study of the Ionization of Purpurin. *Russian Journal of General Chemistry*, **2005**, 75, 1264-1272	0.7	3
28	Tautomerism of Anthraquinones: I. Purpurin and Anions Derived Therefrom. *Russian Journal of Organic Chemistry*, **2005**, 41, 38-46	0.7	5
27	Tautomerism in Athraquinones: II. □Hydroxy-substituted Anthraquinones. *Russian Journal of Organic Chemistry*, **2005**, 41, 707-714	0.7	6
26	Metal Complexes with 1,5- and 1,8-Dihydroxy-9,10-Anthraquinones: Electronic Absorption Spectra and Structure of Ligands. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2004**, 30, 360-364	1.6	8
25	Metal Complexes with Alizarin and Alizarin Red S: Electronic Absorption Spectra and Structure of Ligands. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2004**, 30, 365-370	1.6	44
24	Metal Complexes with Alizarin Complexone AC: Electronic Absorption Spectra and Ligand Structure. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2004**, 30, 671-677	1.6	4
23	Quantum-chemical and correlation study of ionization of Alizarin. *Russian Journal of General Chemistry*, **2004**, 74, 1558-1563	0.7	18
22	Molecular and electronic structures of the trithiapenthalene antrone and its oxygen and nitrogen analogues by XPS. *Journal of Electron Spectroscopy and Related Phenomena*, **2004**, 137-140, 457-462	1.7	1
21	Electronic Absorption Spectra and Ligand Structure in the Metal Complexes of Quinizarin. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2003**, 29, 369-374	1.6	2

20	A Quantum-Chemical Study of Prototropic Tautomerism in 1-Hydroxy-9,10-anthraquinones. *Russian Journal of General Chemistry*, **2003**, 73, 621-626	0.7	5
19	Synthesis and Spectroscopic Study of Iron(III) and Copper(II) Chloride Complexes with 2-(3,3-Dimethyl-1,2,3,4-tetrahydroisoquinolylidene-1)-5,5-dimethyl-2,3,5,6-tetrahydroimidazo[2,1-a]isoquinoline-3-one (L). The Crystal Structure of L. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2003**, 29, 810-817	1.6	1
18	Complexes of d and f Metals with 2-Methyl-3-hydroxy(amino)pyrido[1,2-a]pyrimidine-4-one. Crystal Structure of 2-Methyl-3-hydroxypyrido[1,2-a]pyrimidine-4-one. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2003**, 29, 880-885	1.6	3
17	Electronic Absorption Spectra and Tautomerism of Quinizarin and Its Substituted Derivatives. *Russian Journal of General Chemistry*, **2003**, 73, 1595-1602	0.7	14
16	A Quantum-Chemical and Correlation Study of Ionization of ,-Dihydroxyanthraquinones. *Russian Journal of General Chemistry*, **2003**, 73, 1925-1931	0.7	9
15	Synthesis and Structure of Metal Complexes of 1-(1-R-3-Methylpyrazole-5-onilidene-4)-1,2,3,4-tetrahydroisoquinoline Derivatives. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2003**, 29, 16-21	1.6	
14	1-(Cyano[benzimidazole-2-yl])methylene-3,3-Dimethyl-1,2,3,4-Tetrahydroisoquinoline: Synthesis, Structure, Spectral Parameters. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2002**, 28, 595-600	1.6	2
13	Amination of 4-Azafluorene under Chichibabin Reaction Conditions. Some Chemical Transformations of 1-Amino-4-azafluorene. *Chemistry of Heterocyclic Compounds*, **2002**, 38, 1484-1490	1.4	3
12	Synthesis, Crystalline Structure, and Spectra of 3,3-Dimethyl-1-(3-methyl-1-phenylpyrazol-5-onylidene-4)-1,2,3,4-tetrahydroisoquinoline. *Chemistry of Heterocyclic Compounds*, **2002**, 38, 1497-1503	1.4	0
11	Crystal Structure and Spectra of 6,7-Dimethoxy-3,3-Dimethyl-3,4-Dihydroisocarbostyril Azine. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2001**, 27, 214-219	1.6	1
10	Crystal structure and IR and electronic spectra of 3-o-tolyl-5,5-dimethyl-5,6-dihydro-1,2,4-triazolo[3,4-a]isoquinoline hemihydrate. *Crystallography Reports*, **2001**, 46, 60-64	0.6	
9	Synthesis and physicochemical properties of 9,10-phenanthrenequinone monoxime and its nitro derivatives. *Russian Chemical Bulletin*, **1999**, 48, 1095-1099	1.7	1
8	X-ray photoelectron spectra and structure of 2-(2-phenylhydrazono) acetoacetanilide. *Russian Chemical Bulletin*, **1999**, 48, 484-487	1.7	0
7	Oxidation of 1-hydrazino-3,3-dimethyl-3,4-dihydroisoquinoline. X-ray, spectroscopic, and quantum-chemical study of the structure of 3,3-dimethyl-3,4-dihydroisocarbostyryl azine. *Russian Chemical Bulletin*, **1995**, 44, 2364-2370	1.7	0
6	Spectroscopic and quantum chemical study of the structure of 4-aminopyrimidinoanthrones. *Chemistry of Heterocyclic Compounds*, **1994**, 30, 957-963	1.4	
5	Effect of the pH of the medium on the electronic absorption spectra and structure of 3-methyl-1-phenyl-4-phenylazo-5-pyrazolone. *Chemistry of Heterocyclic Compounds*, **1991**, 27, 1064-1069	1.4	
4	Transferability of the electronic structures of fragments and mutual influence of atoms in isovalently substituted and variable-valence series of linear inorganic molecules from the results of ab initio calculations. *Journal of Structural Chemistry*, **1977**, 17, 669-677	0.9	
3	A version of the "frozen core AO" approximation in nonempirical calculations of molecules by Roothaan's MO LCAO SCF method. *Journal of Structural Chemistry*, **1975**, 16, 459-462	0.9	

2	Calculation of the single-center parameters F0 (nl, n?l?) and Unl by means of slater functions with spectroscopical exponents. *Journal of Structural Chemistry*, **1975**, 15, 639-642	0.9	1
1	nd, (n+1)s and (n+1)p valence atomic orbital exponents of transition metal atoms and ions, and slater-condon parameters calculated from their atomic spectra. *Journal of Structural Chemistry*, **1974**, 14, 903-905	0.9	