

MiKhael Ryabov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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.	1.0	50
2	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.	2.2	25
3	Quantum-chemical and correlation study of ionization of Alizarin. Russian Journal of General Chemistry, 2004, 74, 1558-1563.	0.8	21
4	Electronic Absorption Spectra and Tautomerism of Quinizarin and Its Substituted Derivatives. Russian Journal of General Chemistry, 2003, 73, 1595-1602.	0.8	14
5	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.	7.3	12
6	Tautomerism of anthraquinones: IV. 1-Hydroxy-9,10-anthraquinone and its substituted derivatives. Russian Journal of Organic Chemistry, 2006, 42, 1469-1472.	0.8	11
7	Tautomerism of anthraquinones: VIII. Tautomerism and conformations of 1,4-diamino-9,10-anthraquinone. Russian Journal of Organic Chemistry, 2009, 45, 374-382.	0.8	11
8	A Quantum-Chemical and Correlation Study of Ionization of \hat{A}, \hat{I}^{\pm} -Dihydroxyanthraquinones. Russian Journal of General Chemistry, 2003, 73, 1925-1931.	0.8	9
9	Tautomerism of anthraquinones: III. Tautomerization and rotational isomerization as processes responsible for the appearance of several $\hat{I}^{\pm}, \hat{I}^{\pm*}$ -bands in the absorption spectra of hydroxy-substituted quinones. Russian Journal of Organic Chemistry, 2006, 42, 1464-1468.	0.8	9
10	Synthesis, crystal structure, and spectral studies of 10-(2-Benzothiazolylazo)-9-phenanthrol. Crystallography Reports, 2012, 57, 227-234.	0.6	9
11	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.	1.0	8
12	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.	1.3	8
13	Anthraquinones tautomerism: VII. Hydroxy-substituted anthraquinones. Russian Journal of Organic Chemistry, 2007, 43, 1460-1465.	0.8	7
14	Tautomerism of metal complexes with carminic acid. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2008, 34, 310-314.	1.0	7
15	Tautomerism of the metal complexes with 1-amino-4-hydroxyanthraquinone. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 396-400.	1.0	7
16	Quantum-chemical and correlation study of deprotonation and complexation of 1-amino-4-hydroxyanthraquinone. Russian Journal of General Chemistry, 2010, 80, 1986-1995.	0.8	7
17	Title is missing!. Chemistry of Heterocyclic Compounds, 2002, 38, 1484-1490.	1.2	6
18	Tautomerism in Anthraquinones: II. \hat{I}^{\pm} -Hydroxy-substituted Anthraquinones. Russian Journal of Organic Chemistry, 2005, 41, 707-714.	0.8	6

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19	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.	0.8	6
20	Tautomerism of anthraquinones: XI. 1-amino-4-hydroxyanthraquinone. Russian Journal of Organic Chemistry, 2010, 46, 655-660.	0.8	6
21	A Quantum-Chemical Study of Prototropic Tautomerism in 1-Hydroxy-9,10-anthraquinones. Russian Journal of General Chemistry, 2003, 73, 621-626.	0.8	5
22	Metal Complexes with Alizarin Complexone AC: Electronic Absorption Spectra and Ligand Structure. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2004, 30, 671-677.	1.0	5
23	Tautomerism of Anthraquinones: I. Purpurin and Anions Derived Therefrom. Russian Journal of Organic Chemistry, 2005, 41, 38-46.	0.8	5
24	Tautomerism and ionization of carminic acid. Russian Journal of General Chemistry, 2007, 77, 1769-1774.	0.8	5
25	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.	2.2	5
26	Tautomerism of the Natural Anthraquinones Physcion and Emodin and Their Analogs. Chemistry of Natural Compounds, 2005, 41, 501-507.	0.8	4
27	Tautomerism of anthraquinones: V. 1,5-Dihydroxy-9,10-anthraquinone and its substituted derivatives. Russian Journal of Organic Chemistry, 2006, 42, 1662-1667.	0.8	4
28	Tautomeric composition as a compound characteristic. Russian Journal of General Chemistry, 2011, 81, 791-792.	0.8	4
29	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.	1.3	4
30	Molecular, crystal, and electronic structure of the cobalt(II) complex with 10-(2-benzothiazolylazo)-9-phenanthrol. Crystallography Reports, 2013, 58, 427-436.	0.6	4
31	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.	1.0	3
32	A Quantum-Chemical and Correlation Study of the Ionization of Purpurin. Russian Journal of General Chemistry, 2005, 75, 1264-1272.	0.8	3
33	$\tilde{\epsilon}$, $\tilde{\nu}^*$ -Absorption bands as a valuable source of information on the structure of tautomers and conformers. Russian Journal of General Chemistry, 2006, 76, 578-579.	0.8	3
34	Tautomerism of metal complexes with quinalizarin. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2007, 33, 621-629.	1.0	3
35	Anthraquinones tautomerism: VI. Substituted 1,4,5-trihydroxyanthraquinones. Russian Journal of Organic Chemistry, 2007, 43, 729-734.	0.8	3
36	Absorption spectra and structure of benzimidazoquinozalinone derivatives. Russian Journal of General Chemistry, 2008, 78, 1579-1585.	0.8	3

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37	Synthesis and the crystal and molecular structures of 4-(piperidyl-1)-2-phenylpyrido[2,3-a]anthraquinone-7,12 Mono- and dibromohydrates (HL)Br · 3H ₂ O and (H ₂ L)Br ₂ · 3H ₂ O. Crystallography Reports, 2009, 54, 68-73.	0.6	3
38	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.	1.3	3
39	Tautomerism of anthraquinones: X. Quinizarin boron complex. Russian Journal of Organic Chemistry, 2010, 46, 331-335.	0.8	3
40	Synthesis and structure of complexes of some d metals with 10-(2-benzothiazolylazo)-9-phenanthrole (HL). Crystal and molecular structures of [CdL ₂] · DMF. Russian Journal of Inorganic Chemistry, 2013, 58, 144-151.	1.3	3
41	Crystal and molecular structure and electronic structure of a copper(II) complex with 10-(1-phthalazinylazo)-9-phenanthroline (HL) [Cu ₂ (L) ₂ (H ₂ O) ₄](ClO ₄) ₂ . Russian Journal of Inorganic Chemistry, 2013, 58, 1457-1464.	1.3	3
42	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 [Cu ₂ (L-H) ₂ Cl ₂]. Russian Journal of Inorganic Chemistry, 2014, 59, 927-934.	1.3	3
43	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.	2.9	3
44	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.	1.0	3
45	Synthesis and physicochemical properties of 9,10-phenanthrenequinone monoxime and its nitro derivatives. Russian Chemical Bulletin, 1999, 48, 1095-1099.	1.5	2
46	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2002, 28, 595-600.	1.0	2
47	Electronic Absorption Spectra and Ligand Structure in the Metal Complexes of Quinizarin. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2003, 29, 369-374.	1.0	2
48	Tautomerism of the Natural 1,8-Dihydroxy-9,10-anthraquinones Chrysophanol, Aloe-emodin, and Rhein. Chemistry of Natural Compounds, 2005, 41, 146-152.	0.8	2
49	Quantum-chemical and correlation study of quinizarine protonation. Russian Journal of General Chemistry, 2008, 78, 2379-2385.	0.8	2
50	Tautomerism of anthraquinones: IX. Protonated 1,5- and 1,8-dihydroxyanthraquinones. Russian Journal of Organic Chemistry, 2009, 45, 1445-1451.	0.8	2
51	Isomeric structure of $\hat{I}\pm$ -amino substituted anthraquinones. Russian Journal of General Chemistry, 2011, 81, 2203-2204.	0.8	2
52	1,10-quinoid structure and prototropic amino-imine tautomerism of $\hat{I}\pm$ -aminoanthraquinones. Russian Journal of General Chemistry, 2012, 82, 1558-1566.	0.8	2
53	Chemical and physical processes and accompanying tautomeric transformations. Russian Journal of General Chemistry, 2012, 82, 1616-1617.	0.8	2
54	Coordination Chemistry of Alkyl- and Aryl-Substituted N-Nitrosohydroxylamine Compounds. Asian Journal of Chemistry, 2016, 28, 1873-1890.	0.3	2

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55	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 C ₁₆ H ₁₃ N ₅ O ₄ . Russian Journal of Inorganic Chemistry, 2018, 63, 874-880.	1.3	2
56	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.	0.8	2
57	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.	1.0	1
58	Calculation of the single-center parameters F ₀ (n _l , n _l ?) and U _{nl} by means of Slater functions with spectroscopic exponents. Journal of Structural Chemistry, 1975, 15, 639-642.	1.0	1
59	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-dihydroisocarbostryl azine. Russian Chemical Bulletin, 1995, 44, 2364-2370.	1.5	1
60	X-ray photoelectron spectra and structure of 2-(2-phenylhydrazono) acetoacetanilide. Russian Chemical Bulletin, 1999, 48, 484-487.	1.5	1
61	Crystal Structure and Spectra of 6,7-Dimethoxy-3,3-Dimethyl-3,4-Dihydroisocarbostryl Azine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2001, 27, 214-219.	1.0	1
62	Title is missing!. Chemistry of Heterocyclic Compounds, 2002, 38, 1497-1503.	1.2	1
63	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.	1.0	1
64	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
65	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.	1.0	1
66	Tautomeric and conformational isomerism of natural hydroxyanthraquinones. Chemistry of Natural Compounds, 2006, 42, 269-276.	0.8	1
67	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.	0.8	1
68	Keto-oxy tautomerism. Russian Journal of General Chemistry, 2010, 80, 550-550.	0.8	1
69	Role of tautomerism and rotational isomerism in the interaction of 1-hydroxyanthraquinones with boric acid. Russian Journal of General Chemistry, 2010, 80, 2470-2477.	0.8	1
70	Determination of the sequence of tautomeric and conformational transformations of organic compounds. Russian Journal of General Chemistry, 2011, 81, 2205-2206.	0.8	1
71	New stage in the development of anthraquinone chemistry and the structure of alizarin. Russian Journal of Organic Chemistry, 2012, 48, 376-382.	0.8	1
72	Tautomeric composition and tautomeric transformation sequence of 1,4-bis(alkylamino)anthraquinones. Russian Journal of General Chemistry, 2013, 83, 485-491.	0.8	1

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73	Reaction of 8-chloro-5,7-dinitroquinoline with \hat{I}^2 -dicarbonyl compounds. Russian Journal of Organic Chemistry, 2017, 53, 557-561.	0.8	1
74	SYNTHESIS, SPECTRAL AND QUANTUM CHEMICAL RESEARCHES OF (Z)-10-(2-(4-AMINO-5-THIOXO-4,5-DIHYDRO-1H-1,2,4-TRIAZOLE-3-IL)HYDRAZONO)-9-PHENANTHRONE. ChemChemTech, 2017, 61, 55.	0.3	1
75	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.	1.0	0
76	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.	1.0	0
77	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.	1.2	0
78	Spectroscopic and quantum chemical study of the structure of 4-aminopyrimidinoanthrones. Chemistry of Heterocyclic Compounds, 1994, 30, 957-963.	1.2	0
79	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	0
80	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2003, 29, 16-21.	1.0	0
81	Synthesis, Crystalline Structure, and Spectra of 3,3-Dimethyl-1-(3-methyl-1-phenylpyrazol-5-onylidene-4)-1,2,3,4-tetrahydroisoquinoline.. ChemInform, 2003, 34, no.	0.0	0
82	Amination of 4-Azafluorene under Chichibabin Reaction Conditions. Some Chemical Transformations of 1-Amino-4-azafluorene.. ChemInform, 2003, 34, no.	0.0	0
83	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.	1.0	0
84	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.	1.0	0
85	Quantum-chemical and correlation study on tautomerism and ionization of Quinalizarin. Russian Journal of General Chemistry, 2007, 77, 1350-1355.	0.8	0
86	Tautomerism and rotation isomerism of 1,4-diamino-9,10-antraquinone. Russian Journal of General Chemistry, 2008, 78, 2167-2168.	0.8	0
87	Isomerism of 1-amino-4-hydroxy-9,10-anthraquinone. Russian Journal of General Chemistry, 2009, 79, 1931-1932.	0.8	0
88	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.	1.0	0
89	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.	0.8	0
90	Study of tautomeric transformations of 1,4,5,8-tetraaminoanthraquinone by electronic spectroscopy. Russian Journal of Physical Chemistry A, 2013, 87, 623-627.	0.6	0

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91	Competing tautomeric transformations and the structure of 1-(alkyl,aryl)amino-4-hydroxyanthraquinones. Russian Journal of Organic Chemistry, 2013, 49, 696-701.	0.8	0
92	Synthesis, Crystal, Molecular Structure and Theoretical Modeling of $[\text{Fe}(\text{H}_2\text{O})_6]\text{L}_2 \cdot 2\text{H}_2\text{O}$ and $[\text{Cr}_0.14\text{Mn}_0.86(\text{H}_2\text{O})_6]\text{L}_2 \cdot 2\text{H}_2\text{O}$ (L = 4-Nitro-2,5,6-trioxo-1,2,5,6-tetrahydropyridin-3-olate anion). Asian Journal of Chemistry, 2016, 28, 825-829.	0.3	0
93	Crystal structure of (2Z)-(3,3-dimethyl-3,4-dihydroisoquinolin-1(2H)-ylidene)nitrosoacetonitrile. Crystallography Reports, 2017, 62, 566-571.	0.6	0
94	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.	1.0	0
95	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.	1.0	0
96	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 $\text{Cu}_2[\frac{1}{2}\text{-OOCCH}_2(\text{C}_{14}\text{H}_8)(\text{CO})_2\text{OC}_2\text{H}_5]_4(\text{NCCH}_3)_2$. Crystallography Reports, 2019, 64, 887-893.	0.6	0