

Igor N Shcherbakov

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.

166
papers

966
citations

15
h-index

23
g-index

168
ext. papers

1,061
ext. citations

1.5
avg, IF

3.99
L-index

#	Paper	IF	Citations
166	Copper(II) Stearate-Based Copper-Containing Nanomaterials as Antifriction Additives to Lubricating Oils. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 920-926	0.8	
165	Structure and Properties of the Condensation Product of 2-Oxo-1,2-dihydroquinoline-3-carbaldehyde with Stearic Acid Hydrazide and Its Complexes with Cu(II) and Ni(II). <i>Russian Journal of General Chemistry</i> , 2021 , 91, 1687-1696	0.7	1
164	Copper-Containing Nanomaterials Derived from Copper(II) Laurate as Antifriction Additives for Oil Lubricants. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 934-944	3.2	1
163	Unprecedented interplay of antiferro- and ferromagnetic exchange interactions through intermolecular hydrogen bonds in mononuclear Cu(II) complexes. <i>New Journal of Chemistry</i> , 2021 , 45, 12236-12246	3.6	1
162	Acylhydrazone Based on 2-N-Tosylaminobenzaldehyde and Girard T Reagent: Synthesis, Structure, and Coordination Ability. <i>Russian Journal of General Chemistry</i> , 2021 , 91, 90-97	0.7	0
161	Fine-Tuning of Uniaxial Anisotropy and Slow Relaxation of Magnetization in the Hexacoordinate Co(II) Complexes with Acidoligands. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25957-25966	3.8	4
160	The influence of the nature of carboxylate precursors on the composition and tribological performance of copper-containing nanomaterials. <i>Journal of Coordination Chemistry</i> , 2020 , 73, 3465-3486	1.6	1
159	Selective Naked-Eye Fluorescein-Based Chemosensor for the Detection of Pd ²⁺ Cations. <i>Doklady Chemistry</i> , 2020 , 490, 23-26	0.8	0
158	Structure, Spectral Properties, and Complexing Ability of 1-Phenyl-3-methylpyrazol-5-one Ferrocenoyl Hydrazone. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 257-267	0.7	0
157	Synthesis, structure, spectroscopic studies and magnetic properties of Cu ₂ N ₂ O ₄ ⁻ , Cu ₂ N ₂ O ₂ (S ₂) ⁻ , Cu ₂ N ₂ S ₄ -chromophores based on aminomethylene derivatives of pyrazole-5-one(thione). <i>Polyhedron</i> , 2020 , 188, 114623	2.7	1
156	Proton Coupled Electron Transfer in the Reaction of Hydroxybenzenes with Hydrazyl Radical in Aqueous Media. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 23-31	0.7	1
155	Theoretical and experimental study of the coordination ability of 4,6-dimethylpyrimidinylhydrazone diacetylmonooxime towards Ni(II), Mn(II), Fe(III) and Co(III) ions. <i>New Journal of Chemistry</i> , 2020 , 44, 2146-2154	3.6	1
154	Anion mediated switching from mono- to polymer structure in copper(II) complexes with 4,6-dimethylpyrimidinylhydrazone 1-phenyl-3-methyl-4-formylpyrazol-5-one. <i>Inorganica Chimica Acta</i> , 2020 , 502, 119284	2.7	0
153	Predictive Model of the Relationship of the Antiradical Activity and the Ionization Potential of Molecules and Ions of Flavonoids. <i>Kinetics and Catalysis</i> , 2020 , 61, 360-368	1.5	1
152	Phenolcarboxylic Acids in the Reaction with Electrogenerated Hydroperoxyl Radical. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 1823-1830	0.7	0
151	Field-induced SIM behaviour of a Co(II) complex with a 1,1'-diacetylferrocene-derived ligand. <i>Dalton Transactions</i> , 2020 , 49, 15592-15596	4.3	1
150	Characterization of Molecular Spacer-Functionalized Nanostructured Carbons for Electrical Energy Storage Supercapacitor Materials. <i>Journal of Carbon Research</i> , 2020 , 6, 66	3.3	

149	Photochemical reduction of Cr(VI) compounds by amino acid Schiff base copper complexes with a hydroxyl group and titanium oxide composites in aqueous solutions. <i>New Journal of Chemistry</i> , 2020 , 44, 16665-16674	3.6	7
148	Determination of structures of Cu(II) and Ni(II) complexes based on 4-methyl-2,6-bis[[2-(4,6-dimethylpyrimidin-2-yl)-hydrazono]methyl]phenol by combine experimental and theoretical approaches. <i>Journal of Molecular Structure</i> , 2020 , 1199, 126952	3.4	2
147	Synthesis and Selected Physico-Chemical Properties of 2-Aminopyridine-3-carbaldehyde and the Related Metal Complexes. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 410-417	0.7	1
146	Synthesis, Structural, and Physico-Chemical Study of Transition Metal Complexes with Schiff Base: A Product of Condensation of 2-N-Tosylaminobenzaldehyde and Tryptamine. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 418-424	0.7	
145	Synthesis and Selected Properties of Novel Metal Complexes with Bis-Azomethine Based on 7-Hydroxy-4-methyl-8-formylcoumarin and 1,3-Diaminopropan-2-ol. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 1800-1807	0.7	0
144	Synthesis, Structure, and Spectral Properties of 3,5-Di-tert-butyl-1,2-benzoquinone 3-Hydroxynaphthoyl Hydrazone and Its Complexes with Zn(II), Cd(II), Ni(II), and Co(II). <i>Russian Journal of General Chemistry</i> , 2019 , 89, 727-735	0.7	2
143	On the Influence of the Nature of Non-Bridging Donor Atoms on the Structure and Magnetic Properties of Binuclear Cu(II) Complexes with Heterocyclic Azomethine Ligands. <i>Journal of Structural Chemistry</i> , 2019 , 60, 53-58	0.9	1
142	Spectrokinetic Studies of the Products of Conversion of Natural Phenols in Radical Reactions. <i>Kinetics and Catalysis</i> , 2019 , 60, 28-36	1.5	4
141	Field-induced single-ion magnet behaviour of a hexacoordinated Co(ii) complex with easy-axis-type magnetic anisotropy. <i>Dalton Transactions</i> , 2019 , 48, 6960-6970	4.3	18
140	Controlled Molecular Magnetism of Bi- and Polynuclear Transition Metal Complexes Based on Hydrazones, Azomethines, and Their Analogs. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019 , 45, 163-187	1.6	5
139	Conjugated prototropic and ring opening rearrangements in Schiff base derivatives of formyl functionalized 2-oxaindane series spiropyran: synthesis, NMR, IR, UV/Vis, and DFT study. <i>Structural Chemistry</i> , 2019 , 30, 1381-1393	1.8	2
138	Synthesis, Structure, and Properties of Novel Enamine Containing Coumarin and Phosphonium Fragments. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 906-912	0.7	
137	Synthesis of Phosphonium Enamines: Physicochemical Properties of Dimethylsulfoxide Solutions. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2187-2191	0.7	
136	Combined Experimental and Theoretical Investigation of the Origin of Magnetic Anisotropy in Pentagonal Bipyramidal Isothiocyanato Co(II), Ni(II), and Fe(III) Complexes with Quaternary-Ammonium-Functionalized 2,6-Diacetylpyridine Bisacylhydrazone. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 21146-21155	3.8	6
135	Study of Selected Spectral Properties and Complex Formation with Transition Metals Ions of a New Schiff Base Containing Fluorescein and Sulfamide Fragments. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 2258-2263	0.7	
134	Photochemical reaction of amino acid Schiff base derived Cu complexes with extended E system and their titanium oxide composites. <i>Inorganica Chimica Acta</i> , 2019 , 486, 221-231	2.7	16
133	Binaphthyl-containing Schiff base complexes with carboxyl groups for dye sensitized solar cell: An experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2018 , 1162, 54-62	3.4	14
132	Crystal Structure of the Polymer Copper(II) Complex with 1-Phenyl-3-Methyl-4-Formyl-5-Hydroxypyrazole Hetarylhydrazone. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018 , 44, 132-137	1.6	3

131	Theoretical and experimental study of triphenylphosphonium Schiff base of 5-hydroxy-3-methyl-1-phenyl-4-formylpyrazole. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018 , 193, 375-381	1	3
130	Bifunctional terpyridine/ o -hydroxyimine chemosensors. <i>Journal of Molecular Structure</i> , 2018 , 1154, 219-224	3-4	3
129	Crystal Structure of Two-Dimensional Coordination Polymer $\{[Cu(dps)_2(DMSO)_2](ClO_4)_2\}_n$ Derived from 4,4'-Dipyridyl Sulfide. <i>Doklady Chemistry</i> , 2018 , 483, 304-307	0.8	
128	Influence of non-bridging donor atoms on the value of exchange interaction in binuclear Cu(II) complexes with bis-hydrazones based on 2,6-diformylphenol. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1167-1172	1.7	4
127	Transition State Structure and Mechanism of the Reaction of Hydroxybenzenes with N-Centered Radical in Non-Ionizing Media. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 1351-1362	0.7	4
126	New Tridentate Schiff Base, Product of Condensation of 4-Methyl-7-hydroxy-8-formylcoumarin and N-Aminomercaptotriazole: Synthesis, Structure, and Complex Formation. <i>Russian Journal of General Chemistry</i> , 2018 , 88, 1441-1450	0.7	1
125	New copper(II) coordination compounds with 1,3-bis(5-(pyridin-2-yl)-1,2,4-triazol-3-yl)propane. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017 , 43, 37-43	1.6	
124	Synthesis, crystal structure, magnetic properties and DFT study of dinuclear Ni(II) complex with the condensation product of 2-quinolinecarboxaldehyde and Girard T reagent. <i>Polyhedron</i> , 2017 , 128, 30-37	2.7	18
123	A new ligand system containing sulfanilamide and quinazolinone fragments: Synthesis, structure, and properties. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 66-75	0.7	
122	Synthesis of 3-(2-hydroxyphenyl)-1,5-dialkyl-1H-1,2,4-triazoles and their Zn(II) complexes. <i>Doklady Chemistry</i> , 2017 , 472, 30-35	0.8	
121	Synthesis, characterization and antimicrobial activity of β -aminovinylphosphonium salts derived from aromatic amino acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017 , 192, 1079-1083	3	3
120	The effect of the medium polarity on the mechanism of the reaction of hydroxybenzenes with hydrazyl radical in aprotic solvents. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 690-697	0.7	3
119	Tetranuclear copper(II) complex with the μ_4 -1,6-hexadecarboxylate linker: crystal structure and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017 , 43, 559-564	1.6	
118	Local atomic structure of mono- and binuclear metal complexes based on 3-formylpyrone and 3-formylcoumarin bis-azomethines. <i>Journal of Structural Chemistry</i> , 2017 , 58, 1226-1235	0.9	4
117	Copper(II), nickel(II), and zinc(II) complexes with o-tozylaminobenzaldehyde 4,6-dimethylpyrimidyl hydrazone. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 893-899	1.5	4
116	The magnetic exchange interaction in bi- and tetranuclear copper(II) complexes with the bis-azomethine of 1,3-diaminopropanol-2 and 4-hydroxy-3-formylcoumarin with an azide exogenous bridge. <i>Polyhedron</i> , 2017 , 135, 237-246	2.7	4
115	Structure of the Planar Acetate-Bridged Binuclear Copper(II) Complex Based on 1,3-Bis(3-Formyl-5-tert-Butylsalicylideneimino)propanol-2. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017 , 43, 630-634	1.6	2
114	On the structure of copper(II) coordination compounds with L-histidine. <i>Journal of Structural Chemistry</i> , 2017 , 58, 508-518	0.9	

113	EPR spectral study of copper(II) chelates with hetarylhydrazones of glyoxylic acid. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 822-826	1.5	
112	Peculiarities of magnetic exchange in bi- and tetranuclear copper(II) complexes with organic ligands based on 1,3-diaminopropan-2-ol. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017 , 43, 1-20	1.6	11
111	Iron(II) and ruthenium(II) complexes with polypyridine derivatives as sensitizers for DSSC: the structure and spectral properties, as studied by quantum chemistry methods. <i>Russian Chemical Bulletin</i> , 2017 , 66, 23-29	1.7	5
110	Synthesis, characterization and crystal structures of Ni(II) and Cu(I) complexes with the condensation product of 2-(diphenylphosphino)benzaldehyde and 1-hydrazinophthalazine. <i>Polyhedron</i> , 2017 , 121, 278-284	2.7	3
109	Crystal structure and magnetic properties of a new polymer dinuclear copper(II) chelate with a schiff base based on 3-formylpyrone and 1,3-diaminopropanol-2. <i>Journal of Structural Chemistry</i> , 2017 , 58, 1685-1688	0.9	1
108	Switching of the exchange interaction character in the binuclear copper(II) complexes based on the hetaryl derivatives of 1,3-diaminopropanol-2. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017 , 43, 727-735	1.6	
107	Molecular machines as a driving force of progress in modern post-industrial society. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 2627-2642	0.7	
106	Crystal structure of the (N,N'-bis[chromen-2,4-dione]-3-{2'-hydroxypropylenediamine-N,N',O,O'}) (dimethylsulfoxide)copper(II) complex. <i>Journal of Structural Chemistry</i> , 2017 , 58, 1432-1435	0.9	
105	Photo-induced reduction of Cr ⁶⁺ by the hybrid systems [CuII complex with Schiff base and TiO ₂] dependence on irradiation wavelength. <i>Russian Chemical Bulletin</i> , 2017 , 66, 2057-2065	1.7	9
104	Synthesis, characterization, DFT calculations and antimicrobial activity of pentagonal-bipyramidal Zn(II) and Cd(II) complexes with 2,6-diacetylpyridine-bis(trimethylammoniumacetohydrazone). <i>Journal of Coordination Chemistry</i> , 2016 , 69, 2754-2765	1.6	10
103	2,6-diformyl-4-tert-butylphenol bis-ferrocenoylhydrazone and binuclear copper(II) complexes on its basis. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 2075-2080	0.7	2
102	Salicylic aldehyde and 2-N-tosylaminobenzaldehyde tetrazolyl hydrazones and their complexes. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 1064-1068	0.7	1
101	New copper(II), nickel(II), and cobalt(II) chelates derived from 2-methyl-3-[[3-methyl-5-oxo-1-phenylpyrazol-4-ylidene)methyl]amino]-quinazolin-4-one. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 575-582	1.5	
100	Crystal structure and magnetic properties of binuclear copper(II) complex with 2-N-(phenylhydrazono)-3-((ethyl-2-olato)imino)-1-phenyl-1,2,3-butanetrione. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016 , 42, 81-84	1.6	
99	Synthesis and structure of 3-[[aryl (hetaryl)amino]methylene]chromane-2,4-diones and their metal complexes. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 2492-2500	0.7	
98	Copper(II) complexes with N-(phenyl)alkylthiosemicarbazones of 3,5-dichloro- and 3,5-diiodosalicylic aldehydes. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 344-348	0.7	1
97	Crystal structures of the polymer copper(II) complexes with acylhydrazones of bromosalicylaldehyde derivatives. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016 , 42, 151-156	1.6	
96	Effect of the nature of non-bridging donor atoms on the structure and magnetic properties of binuclear copper(II) complexes with heterocyclic azomethyne ligands. <i>Journal of Structural Chemistry</i> , 2015 , 56, 113-120	0.9	16

95	Synthesis, structure, and properties of the product formed in the reaction of ortho-diphenylphosphinobenzaldehyde and N-tosyl-1,2-phenylenediamine. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 104-110	0.7	1
94	Synthesis, Protistocidal and Antibacterial Activities of 2?-Imidazolinyldhydrazones of Mono- and Dicarboxylic Acids. <i>Pharmaceutical Chemistry Journal</i> , 2015 , 49, 21-23	0.9	2
93	Molecular and crystal structure of iron(III) and nickel(II) complexes with 1?-phthalazinyldhydrazones of heterocyclic carbonyl compounds. <i>Journal of Structural Chemistry</i> , 2015 , 56, 102-107	0.9	6
92	Physico-chemical study of the complex formation between 2-(tosylamino)benzaldehyde bishydrazones and transition metal ions. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 1902-1909	0.7	2
91	Structural, EPR spectroscopic, and magnetochemical study of hydrogen-bonded dimeric copper(II) complexes with hetaryl hydrazones. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1129-1136	1.5	6
90	Adsorption studies of divalent, dinuclear coordination complexes as molecular spacers on SWCNTs. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 29566-73	3.6	5
89	Spectral and theoretical study of 2-methyl-3-[(Z)-3-methyl-5-oxo-1-phenylpyrazol-4-ylidene)methyl]amino}quinazolin-4-one and its complexes with metal ions M(II). <i>Russian Journal of General Chemistry</i> , 2015 , 85, 1706-1712	0.7	3
88	Binuclear dysprosium(III) complex with 2,6-diformyl-4-tert-butylphenol bisphthalazinyldhydrazone: Crystal structure and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015 , 41, 823-828	1.6	
87	Influence of the number of anchor groups on the photophysical properties of coordination compounds as components of dye-sensitized solar cells. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1801-1807	1.7	3
86	Physico-chemical and theoretical investigation of the Schiff base of 2,6-diformyl-4-tert-butylphenol and m-aminocinnamic acid. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2560-2567	0.7	1
85	Biacetyl monooxime ferrocenoyldhydrazone and its complexing properties. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2759-2764	0.7	
84	Modern studies in the area of molecular magnets: State, problems, and prospects. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015 , 41, 1-15	1.6	16
83	Ferrocenoyldhydrazone of 2-N-tosylaminobenzaldehyde: Structure, properties, and complexing ability. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 126-134	0.7	2
82	Binuclear copper(II) complex with bis(azomethine) based on 1,3-diaminopropan-2-ol and 4-hydroxy-3-formylcoumarin: Crystal structure and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015 , 41, 69-75	1.6	10
81	Crystal structure and magnetic properties of a tetranuclear carbonate-bridged CuII complex with a Schiff base compartmental ligand with the N2OS2 donor set. <i>Mendeleev Communications</i> , 2015 , 25, 62-64	1.9	6
80	Tetranuclear copper(II) complex with the heterocyclic azomethine ligand: Crystal structure and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 69-76	1.6	6
79	Mixed ligand complex via zinc(II)-mediated in situ oxidative heterocyclization of hydrochloride salt of 2-chlorobenzaldehyde hydralazine hydrazone as potential of antihypertensive agent. <i>European Journal of Medicinal Chemistry</i> , 2014 , 73, 38-45	6.8	51
78	2-N-Tosylaminobenzaldehyde ferrocenoyldhydrazone and its nickel(II) complex: Molecular and crystal structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 806-812	1.6	3

77	Influence of the bridging coordination of DMSO on the exchange interaction character in the binuclear copper(II) complex with the nonsymmetrical exchange fragment. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 523-530	1.6	14
76	Crystal structure and magnetic properties of binuclear Dy(III) complexes with 4-substituted 2,6-diformylphenol bis(acylhydrazones). <i>Mendeleev Communications</i> , 2014 , 24, 219-221	1.9	9
75	Computational study of exchange coupling in homo- and heterometallic oxo- and carboxylato bridged trinuclear complexes with triangular {Fe(III) ₂ M(β-O)} (M = Fe(III), Ni(II), Co(II)) core. <i>Inorganica Chimica Acta</i> , 2014 , 421, 507-512	2.7	7
74	Crystal structure of a trinuclear complex of zinc(II) with 2,6-Di-tert-butyl-p-quinone 1?-phthalazinylhydrazone. <i>Journal of Structural Chemistry</i> , 2014 , 55, 475-480	0.9	1
73	Copper(II) and nickel(II) complexes with bis(azomethine)β condensation product of 1-phenyl-3-methyl-4-formyl-5-mercaptopyrazole with 1,3-diaminopropan-2-ol. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 599-606	1.6	6
72	Synthesis and crystal structure of the nickel(II) complex with 2-diphenylphosphinobenzaldehyde 2-quinolinyhydrazone. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 280-283	1.6	2
71	Synthesis, physicochemical study, and quantum-chemical simulation of hydrazones based on 2-hydrazinoimidazoline. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 676-681	0.7	1
70	XPS study of the electronic structure of heterometallic complexes [Fe ₂ MO(O ₂ CCH ₃) ₆ (H ₂ O) ₃] · 3H ₂ O (M = Co, Ni). <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 670-677	1.5	5
69	Binuclear copper(II) and nickel(II) complexes based on N,N'-bis(3-formyl-5-tert-butylsalicylidene)-1,3-diaminopropan-2-ol: physicochemical and theoretical study. <i>Russian Chemical Bulletin</i> , 2014 , 63, 673-683	1.7	3
68	Binuclear complexes of copper(II) with 1?-phthalazinylhydrazones of substituted salicylic aldehydes: Physico-chemical study and quantum-chemical simulation. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 1970-1978	0.7	7
67	Supercoiling as a physical mechanism providing a macroscopic scale in supramolecular strings. <i>Russian Journal of Physical Chemistry B</i> , 2014 , 8, 801-806	1.2	4
66	Crystal structure of the polycyclic oxidation product of 1?-phthalazinylhydrazone of 2-formylpyrrole. <i>Journal of Structural Chemistry</i> , 2013 , 54, 619-623	0.9	3
65	Crystal structure of bis-Isonicotinoyl hydrazone of 2,5-diformylpyrrole. <i>Journal of Structural Chemistry</i> , 2013 , 54, 592-597	0.9	3
64	Triggering the Sign of Magnetic Exchange Coupling in a Dinuclear Copper(II) Complex by Solvent Molecule Coordination. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, n/a-n/a	2.3	22
63	Crystal structure and magnetic properties of the binuclear copper(II) complex with 2,6-diformyl-4-tert-butylphenol bis(imidazolinyhydrazone). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 493-499	1.6	3
62	Synthesis of new spiropyranes and study of the effect of the nature of substituents on their photochromism and complexation. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1111-1116	0.7	2
61	Molecular polarizability of organic compounds and their complexes: LIX. Molar volumes, intrinsic atomic solvation radii, and spatial structures of certain conformationally flexible compounds in solutions. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 901-910	0.7	2
60	Spectroscopic study of interaction of 1H-1,2,4-triazoline-3-thione with molecular iodine. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 986-988	0.7	5

59	The magnetic exchange interaction via N π -O-bonding in copper(II) complex with 1-phenyl-3-methyl-4-formylpyrazol-5-one 2-quinolylhydrazone. <i>Inorganica Chimica Acta</i> , 2013 , 405, 169-175	2.7	34
58	XPS study of the electronic structure of heterometallic complexes Fe ₂ MO(Piv) ₆ (HPiv) ₃ (M = Ni, Co). <i>Russian Journal of Inorganic Chemistry</i> , 2013 , 58, 945-950	1.5	5
57	Structure and magnetic properties of binuclear copper(II) complexes with 2,6-diformyl-4-tert-butylphenol bis(imidazolyl)hydrazone. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 2314-2319	0.7	1
56	Crystal structures of copper(II) and nickel(II) complexes with 1,3-bis(3,5-di-tert-butylsalicylideneamino)propan-2-ol. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 689-693	1.6	1
55	Polymeric copper(II) complexes with 4-formyl-3-methyl-1-phenylpyrazol-5-one hetarylhydrazones: Synthesis and crystal structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 849-856	1.6	6
54	Synthesis, structure, and properties of a new phosphorus-containing Schiff base, a derivative of pyrazole-5-one. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1376-1382	0.7	5
53	Transition metal complexes with 2,6-Di-tert-butyl-p-quinone 1-phthalazinyhydrazone. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1928-1936	0.7	5
52	Tetranuclear Copper(II) Complex with N,N'-bis(2-N-Tosylaminobenzylidene)-1,3-Diaminopropan-2-ol: Crystal structure and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 342-346	1.6	7
51	2-(N-tosylamino)benzaldehyde thiobenzoylhydrazone and its complexes with copper(II) and zinc(II): Synthesis and structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 367-372	1.6	6
50	Tautomerism of substituted salicylaldehyde and 2-diphenylphosphinebenzaldehyde 1-phthalazinyhydrazones: X-ray crystallography and quantum chemical modeling. <i>Journal of Structural Chemistry</i> , 2013 , 54, 952-959	0.9	3
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45	Protolytic and complexing properties of hetarylhydrazones derived from o-tosylaminobenzaldehyde. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 1233-1237	0.7	3
44	A novel binuclear uranyl(VI) complex of bis(N,N'-3-carboxysalicylidene)-1,3-diaminopropan-2-ol: Synthesis, structure, and properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2012 , 38, 651-655	1.6	1
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38	Crystal structure and magnetic properties of the binuclear copper(II) complex based on 1,3-diaminopropan-2-ol N,N'-bis(3-formyl-5-tert-butylsalicylidene). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011 , 37, 552-555	1.6	9
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35	Solvent mediated reaction of 1-methyl-1H-tetrazoline-5-thione with iodine. <i>Structural Chemistry</i> , 2011 , 22, 313-317	1.8	8
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29	Physicochemical study of binuclear copper(II), oxovanadium(IV), and iron(III) complexes with bis-1?-phthalazinyldiazide of 2,6-diformyl-4-tert-butylphenol. <i>Russian Journal of General Chemistry</i> , 2010 , 80, 1853-1859	0.7	4
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