

Sergei V Voitekhovich

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Polymeric chain complexes of copper(II) chloride with 1,5-disubstituted tetrazoles: Structure and magnetic properties. <i>Polyhedron</i> , 2021, 194, 114907.	1.0	6
2	Mesoionic tetrazolium-5-aminides: Synthesis, molecular and crystal structures, UV-vis spectra, and DFT calculations. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 385-395.	1.3	3
3	Direct Synthesis and Characterization of Copper(II) Phenyltetrazolate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1633-1638.	0.6	2
4	Synthesis and structure of macrocyclic dinickel(II) complex with 5-(4-pyridyl)tetrazolate as coligand. <i>Journal of the Belarusian State University Chemistry</i> , 2021, , 3-10.	0.1	0
5	1-(1,2,4-Triazol-3-yl)-1H-tetrazoles and their complexation with copper(II) chloride. <i>Polyhedron</i> , 2020, 176, 114299.	1.0	6
6	Halido-bridged Copper(II) Complexes with tert-Butyl-1H-tetrazole: Crystal Structure and Magnetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1331-1335.	0.6	4
7	Copper-assisted desulfurization of 1-R-tetrazole-5-thiols under complexation. <i>Inorganic Chemistry Communication</i> , 2020, 114, 107827.	1.8	4
8	1,3-Bis(1-methyl-1H-tetrazol-5-yl)propane and its coordination polymers with Cu ₂ Cl ₄ and Cu ₃ Cl ₆ units. <i>Polyhedron</i> , 2020, 190, 114793.	1.0	4
9	Synthesis and structure of copper(II) complexes with 1-iso-propyl-1H-tetrazole. <i>Journal of the Belarusian State University Chemistry</i> , 2020, , 64-73.	0.1	1
10	2-(1H-Tetrazol-1-yl)thiazole: Complexation and copper-assisted tetrazole ring transformation. <i>Polyhedron</i> , 2019, 171, 423-432.	1.0	9
11	Substituent-dependent coordination modes of 1-methyl-5-R-tetrazoles in their cupric chloride complexes. <i>Polyhedron</i> , 2019, 162, 100-110.	1.0	10
12	Effects of quinones and azoles on radiation-induced processes involving hydroxyl-containing carbon-centered radicals. <i>Radiation Physics and Chemistry</i> , 2018, 144, 308-316.	1.4	5
13	Copper(II) Halide Complexes with tert-Butyl-1H-tetrazole and 1,2,4-triazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 100-108.	0.6	10
14	Selective Synthesis and Complexation of Novel N,N'-alkylene-bridged Bis(5-pyridyltetrazole). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1611-1617.	0.6	5
15	Transition metal chelate complexes with tetrazole derived Mannich base: Metal dependent architecture and properties. <i>Polyhedron</i> , 2018, 151, 74-81.	1.0	7
16	The First Characterized Coordination Compounds of Macrocyclic Ligands Including Incorporated Tetrazole Rings. <i>Crystal Growth and Design</i> , 2017, 17, 1796-1805.	1.4	7
17	Synthesis of tetrazole and its derivatives by heterocyclization reaction involving primary amines, orthoesters, and azides. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 670-681.	0.6	24
18	Tetrazole-Stabilized Gold Nanoparticles for Catalytic Applications. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 51-62.	1.4	11

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19	5-(2-Mercaptoethyl)-1H-tetrazole: Facile Synthesis and Application for the Preparation of Water Soluble Nanocrystals and Their Gels. <i>Chemistry - A European Journal</i> , 2016, 22, 14746-14752.	1.7	8
20	The first organocopper tetrazole derivative: synthesis and characterization. <i>Dalton Transactions</i> , 2016, 45, 13406-13414.	1.6	7
21	1-(Furan-2-ylmethyl)-1H-tetrazole and its Copper(II) Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 2312-2320.	0.6	8
22	Tetrazoles: Unique Capping Ligands and Precursors for Nanostructured Materials. <i>Small</i> , 2015, 11, 5728-5739.	5.2	31
23	3D assembly of silica encapsulated semiconductor nanocrystals. <i>Nanoscale</i> , 2015, 7, 12713-12721.	2.8	12
24	Copper(II) tetrafluoroborate complexes with the N ³ ,N ⁴ -bridging coordination of 1-(tert-butyl)-1H-tetrazole: synthesis, crystal structure and magnetic properties. <i>Dalton Transactions</i> , 2015, 44, 18518-18526.	1.6	14
25	Adsorption of I ₂ by Macrocyclic Polyazadithiophenolato Complexes Mediated by Charge Transfer Interactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9949-9952.	7.2	13
26	Thermodynamic properties of 5-(1-adamantyl)tetrazole. <i>Thermochimica Acta</i> , 2014, 592, 10-17.	1.2	7
27	Synthesis and characterization of 5-amino-1,3-di-tert-butyl-2H-tetrazol-1-ium bis[dichlorido-bis(dichloridocuprate(II))]. <i>Inorganica Chimica Acta</i> , 2014, 419, 124-129.	1.2	7
28	Synthesis and structure of new ditopic ligands containing tetrazole and 3-nitro-1,2,4-triazole fragments. <i>Russian Journal of Organic Chemistry</i> , 2014, 50, 742-746.	0.3	2
29	2-tert-Butyl-5-(2-pyridyl)-2H-tetrazole as a chelating ligand in the direct synthesis of novel Cu(II) and heterobimetallic Cu(II)/Mn(II) complexes. <i>Dalton Transactions</i> , 2013, 42, 2985-2997.	1.6	27
30	Synthesis, properties, and structure of tetrazoles: Certain achievements and prospects. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 635-654.	0.3	28
31	Tetranuclear complexes composed of dinickel(II) macrocyclic fragments bridged by 5,5'-bis(1,3-phenylene)bis-1H-tetrazolato and N,N-bis(tetrazol-5-ato)amine coligands: Synthesis, structures and magnetic properties. <i>Polyhedron</i> , 2013, 49, 183-189.	1.0	9
32	Selective complexation of 1-ethyl-5-nitro-1,2,3-triazole (entz) with copper(II) salts: Preparation and characterization of [Cu(entz)2Cl2] and [Cu(entz)4(H2O)2](ClO4)2. <i>Inorganic Chemistry Communication</i> , 2012, 24, 77-80.	1.8	7
33	Facile synthesis of macrocyclic tetrazoles by regioselective cycloalkylation of bistetrazoles with 2,5-dimethylhexane-2,5-diol in perchloric acid. <i>Tetrahedron Letters</i> , 2012, 53, 6111-6114.	0.7	9
34	Acid Catalyzed tert-Butylation and Tritylation of 4-Nitro-1,2,3-triazole: Selective Synthesis of 1-Methyl-5-nitro-1,2,3-triazole via tert-Butyl-4-Nitro-1,2,3-triazole. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 965-968.	1.4	11
35	Direct Synthesis and Characterization of New Copper(II) and Zinc(II) 5-R-Tetrazolato Complexes [R = Me, Ph, 4-Py] with Ethylenediamine and DMSO as Coligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 103-110.	0.6	22
36	1-(2-Hydroxyethyl)-3-nitro-1,2,4-triazole and its Complexes with Copper(II) Chloride and Copper(II) Perchlorate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 950-956.	0.6	7

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37	Regioselective alkylation of amino- and mercapto-1,2,4-triazoles with t-BuOH/HClO ₄ . <i>Tetrahedron</i> , 2012, 68, 4962-4966.	1.0	19
38	Acid-mediated cycloalkylation of C-aminoazoles with 2,5-dimethylhexane-2,5-diol. <i>Tetrahedron Letters</i> , 2012, 53, 419-421.	0.7	8
39	Alkylation of 3-nitro-1,2,4-triazole with allyl bromide and cyclohexa-1,3-diene in acid medium. <i>Russian Journal of Organic Chemistry</i> , 2012, 48, 610-612.	0.3	5
40	1-Substituted Tetrazole-5-thiol-Capped Noble Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16928-16933.	1.5	22
41	3D Assembly of Semiconductor and Metal Nanocrystals: Hybrid CdTe/Au Structures with Controlled Content. <i>Journal of the American Chemical Society</i> , 2011, 133, 13413-13420.	6.6	112
42	Synthesis and Agglomeration of Silver Nanoparticles Stabilized with 5-R-Tetrazoles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011, 225, 363-371.	1.4	9
43	N-substituted bis(tetrazolyl)diazenes: Synthesis, spectra, X-ray molecular and crystal structures, and quantum-chemical DFT calculations. <i>Heteroatom Chemistry</i> , 2010, 21, 24-35.	0.4	3
44	A Novel N(3),N(4)-Bridging Coordination Mode of 1-R-Tetrazole-5-thiolates - Synthesis, X-ray Diffraction, Magnetic Properties and Quantum-Chemical Study of a Macrocyclic Dinickel Complex Coligated by 1-Methyltetrazole-5-thiolate. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5387-5393.	1.0	16
45	Preparation and characterization of the first coordination compounds of tetrazol-2-ylacetic acid. <i>Inorganic Chemistry Communication</i> , 2010, 13, 949-951.	1.8	13
46	A tetrazol-5-yl analogue of glycine, 5-ammoniomethyl-1H-tetrazolidine, and its copper(II) complex. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, m22-m25.	0.4	4
47	Magnetic Properties of Mixed Ligand Ni ^{II} ₂ and Ni ^{II} ₄ Complexes Composed of Macrocyclic Hexaamine-Dithiophenolato and Bridging Tetrazolato Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1980-1986.	0.6	12
48	CdTe Nanocrystals Capped with a Tetrazolyl Analogue of Thioglycolic Acid: Aqueous Synthesis, Characterization, and Metal-Assisted Assembly. <i>ACS Nano</i> , 2010, 4, 4090-4096.	7.3	80
49	Neutron and synchrotron X-ray powder study of copper(II) chloride complex with deuterated 1-ethyltetrazole. <i>Zeitschrift Fur Kristallographie</i> , 2009, 224, 233-239.	1.1	7
50	N-Alkylation of 4-nitro-1,2,3-triazole revisited. Detection and characterization of the N3-ethylation product, 1-ethyl-5-nitro-1,2,3-triazole. <i>Tetrahedron Letters</i> , 2009, 50, 2577-2579.	0.7	21
51	1-Substituted 5-thiotetrazoles as novel capping agents for stabilization of gold nanoparticles. <i>Polyhedron</i> , 2009, 28, 3138-3142.	1.0	19
52	Copper(II), palladium(II) and platinum(II) chloride complexes with 5-amino-2-tert-butyltetrazole: Synthesis, characterization and cytotoxicity. <i>Polyhedron</i> , 2009, 28, 3614-3620.	1.0	33
53	Direct synthesis and characterization of novel homo- and heterometallic mixed-ligand tetrazolate complexes, Cu(en)(tz) ₂ and Cu(en)Zn(tz) ₄ [en=ethylenediamine, tz=tetrazolate]. <i>Inorganic Chemistry Communication</i> , 2009, 12, 998-1000.	1.8	12
54	1-Vinyl-5-amino-1H-tetrazole: X-ray molecular and crystal structures and quantum-chemical DFT calculations. <i>Journal of Molecular Structure</i> , 2008, 876, 260-267.	1.8	21

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55	Endo- and exocyclic N-alkylation of 1- and 5-aminotetrazoles with t-BuOH-HClO ₄ : synthesis of mono-, di-, and tri-tert-butyl substituted aminotetrazolium salts. <i>Tetrahedron</i> , 2008, 64, 8721-8725.	1.0	27
56	CdS Nanoparticles Capped with 1-Substituted 5-Thiotetrazoles: Synthesis, Characterization, and Thermolysis of the Surfactant. <i>Chemistry of Materials</i> , 2008, 20, 4545-4547.	3.2	45
57	Preparation and Characterization of Macrocyclic Dinickel Complexes Coligated by Tetrazolate Ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 496-502.	0.3	13
58	Metal derivatives of tetrazoles. <i>Russian Chemical Reviews</i> , 2006, 75, 507-539.	2.5	184
59	Bis(1-methyl-1H-tetrazol-5-yl)diazene and two its copper(I) chloride complexes poly[[[1/4-1,2-bis(1-methyl-1H-tetrazol-5-yl)diazene-1,4-N ₄]]dicopper(I)]-di-1/4-chloro] and catena-poly[[chlorocopper(I)]-1/4-1,2-bis(1-methyl-1H-tetrazol-5-yl)diazene-1,4-N ₄]]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m223-m226.	0.4	2
60	Crystal structure and physical properties of the new 2D polymeric compound bis(1,5-diaminotetrazole)dichlorocopper(II). <i>Inorganica Chimica Acta</i> , 2005, 358, 2549-2557.	1.2	61
61	Synthesis of New Functionally Substituted 1-R-tetrazoles and Their 5-Amino Derivatives. <i>Chemistry of Heterocyclic Compounds</i> , 2005, 41, 999-1004.	0.6	28
62	Organometallic Tetrazole Derivatives: Preparation and Application to Organic Synthesis. <i>Russian Journal of Organic Chemistry</i> , 2005, 41, 1565-1582.	0.3	20
63	5-Amino-1-methyl-4H-tetrazolium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o3645-o3647.	0.2	10
64	Formation of 2-(2-Cyclohexenyl)-5-R-tetrazoles in Acid-Catalyzed Alkylation of 5-Substituted Tetrazoles with 1,3-Cyclohexadiene. <i>Russian Journal of Organic Chemistry</i> , 2004, 40, 598-600.	0.3	16
65	1-Phenyl-5-(piperidinomethyl)-1H-tetrazole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, o293-o294.	0.4	3
66	Bis[1,3-bis(2-methyltetrazol-5-yl-1,4-N ₄)triazenido-1,2-N ₂]nickel(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, m421-m422.	0.4	3
67	1,5-Diamino-1H-1,2,3,4-tetrazolium picrate: X-ray molecular and crystal structures and ab initio MO calculations. <i>Journal of Molecular Structure</i> , 2003, 649, 309-314.	1.8	47
68	Zwitterionic 5-(1-piperidinomethyl)-1H-tetrazolide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o22-o23.	0.4	4
69	catena-Poly[[bis[1/4-1,2-bis(1-methyltetrazol-5-yl)ethane-1,2-N ₄]]bis[chlorocopper(II)]]-di-1/4-chloro]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, m221-m223.	0.4	7
70	Non-linear optical crystals of 2,2,3-trimethyl-3-(1H-1,2,3,4-tetrazol-5-yl)butanenitrile. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o388-o389.	0.4	2
71	1,3- and 1,4-Substituted tetrazolium salts. <i>Russian Chemical Reviews</i> , 2002, 71, 721-739.	2.5	30
72	Dichloro[N,N-dimethyl-1-(1-methyl-1H-tetrazol-5-yl-1,4-N ₄)methanamine-1,N]copper(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m563-m564.	0.4	6

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73	Thermal Recyclization of 5-R-2-Isopropenyltetrazoles into 5-R-3-Methylpyrazoles. Chemistry of Heterocyclic Compounds, 2002, 38, 1422-1423.	0.6	3
74	1,5-Diamino-1H-1,2,3,4-tetrazole. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 185-186.	0.4	21
75	4-Nitro-2-(1H-tetrazol-1-yl)phenol. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1204-1206.	0.4	4
76	[1,5-Bis(1-methyl-1H-tetrazol-5-yl- \hat{N})-3-oxopentane- \hat{O}]dichlorocopper(II). Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1374-1375.	0.4	4
77	2-(1H-Tetrazol-1-yl)benzoic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1436-1437.	0.4	4
78	Synthesis and Structure of 1-tert-Butyl-3-R-tetrazolium Salts. Chemistry of Heterocyclic Compounds, 2001, 37, 949-959.	0.6	5
79	Selective synthesis of 2-(1-methylvinyl)tetrazoles. Mendeleev Communications, 1997, 7, 41-42.	0.6	18