

# Reza Takjoo

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	S-allyl-3-(2-pyridyl-methylene)dithiocarbazate ligand and its manganese(II), cobalt(III) and nickel(II) complexes. <i>Inorganica Chimica Acta</i> , 2011, 371, 36-41.	2.4	43
2	Synthesis, characterization, crystal structure and thermal behavior of 4-Bromo-2-(((5-chloro-2-hydroxyphenyl)imino)methyl)phenol and its oxido-vanadium(V) complexes. <i>Journal of Molecular Structure</i> , 2012, 1028, 148-155.	3.6	43
3	Synthesis, X-ray structure, spectroscopic properties and DFT studies of some dithiocarbazate complexes of nickel(II). <i>Journal of Molecular Structure</i> , 2013, 1031, 180-185.	3.6	42
4	Dianion N1,N4-bis(salicylidene)-S-allyl-thiosemicarbazide complexes: Synthesis, structure, spectroscopy and thermal behavior. <i>Polyhedron</i> , 2012, 42, 128-134.	2.2	41
5	Synthesis, crystal structure of new linear trinuclear isovalence Co(II) ([Co <sub>3</sub> (H <sub>2</sub> L) <sub>2</sub> ]), and visualizing intermolecular interactions with Hirshfeld surface method. <i>Structural Chemistry</i> , 2008, 19, 895-903.	2.0	35
6	Nickel(II) and copper(II) complexes of allyl 2-(thiophen-2-ylmethylene)hydrazinecarbodithioate: synthesis, X-ray crystal structures, and theoretical study. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1569-1579.	2.2	31
7	Synthesis, spectroscopy, DFT and crystal structure investigations of 3-methoxy-2-hydroxybenzaldehyde S-ethylisothiosemicarbazone and its Ni(II) and Mo(VI) complexes. <i>Polyhedron</i> , 2013, 55, 225-232.	2.2	30
8	Synthesis, spectral characterization, DFT calculations, antimicrobial activity and molecular docking of 4-bromo-2-(((2-hydroxy-5-methylphenyl)imino)methyl)phenol and its V(V) complex. <i>Inorganica Chimica Acta</i> , 2017, 455, 173-182.	2.4	29
9	Copper(II) and molybdenum(VI) complexes with 5-bromosalicylaldehyde <i>cis</i> -allylisothiosemicarbazone: Syntheses, characterizations and crystal structures. <i>Journal of Coordination Chemistry</i> , 2013, 66, 345-357.	2.2	28
10	Synthesis, structural, and thermal analyses of copper(II) and oxido-vanadium(IV) complexes of 4-bromo-2-(((5-chloro-2-hydroxyphenyl)imino)methyl)phenol. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2852-2862.	2.2	28
11	Mixed Ligand Palladium(II) Complex with NS <sup>2</sup> -Bidentate <i>cis</i> -Allyldithiocarbazate Schiff Base: Synthesis, Spectral Characterization, Crystal Structure and Decoding Intermolecular Interactions with Hirshfeld Surface Analysis. <i>Chinese Journal of Chemistry</i> , 2010, 28, 221-228.	4.9	23
12	Synthesis, characterization, X-ray structure and DFT calculation of two Mo(VI) and Ni(II) Schiff-base complexes. <i>Comptes Rendus Chimie</i> , 2014, 17, 1144-1153.	0.5	23
13	Complexes with <i>cis</i> -MoO <sub>2</sub> unit of new isothiosemicarbazone. <i>Journal of Coordination Chemistry</i> , 2012, 65, 3403-3412.	2.2	22
14	Synthesis & crystal structures of four new biochemical active Ni(II) complexes of thiosemicarbazone and isothiosemicarbazone-based ligands: In vitro antimicrobial study. <i>Journal of Molecular Structure</i> , 2019, 1181, 287-294.	3.6	21
15	Mixed ligand complexes of cadmium(II) and copper(II) dithiocarbazate: Synthesis, spectral characterization, X-ray crystal structure. <i>Inorganica Chimica Acta</i> , 2018, 471, 587-594.	2.4	19
16	The preparation, spectroscopic characterization and X-ray crystal structures of the pyrrole-2-carboxaldehyde Schiff base of S-allyldithiocarbazate (HL) and its nickel(II) complex ([Ni(L) <sub>2</sub> ]). <i>Journal of Coordination Chemistry</i> , 2009, 62, 3651-3660.	2.2	18
17	Preparation, X-ray structure, spectral analysis, DFT calculation and thermal study on palladium(II) coordination compound with Schiff base derived from S-allyldithiocarbazate. <i>Inorganica Chimica Acta</i> , 2016, 447, 52-58.	2.4	18
18	Synthesis and Spectroscopic Characterization of the Benzaldehyde Schiff Base of <i>cis</i> -Allyldithiocarbazate and its Copper(II) Complex and the X-ray Crystal Structure of <i>Allgemeine Chemie</i> , 2008, 634, 972-976.	1.2	16

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19	Co(III) and Fe(III) complexes of Schiff bases derived from 2,4-dihydroxybenzaldehyde <i>S</i> -allyl-isothiosemicarbazonehydrobromide. Journal of Coordination Chemistry, 2013, 66, 3915-3925.	2.2	16
20	Molecular design and synthesis of new dithiocarbazate complexes; crystal structure, bioactivities and nano studies. RSC Advances, 2018, 8, 41795-41809.	3.6	16
21	HSA-interaction studies of uranyl complexes of alkyl substituted isothiosemicarbazone. Journal of Molecular Structure, 2019, 1193, 53-61.	3.6	16
22	Molecular structures and spectroscopic characterization of cobalt(III) and nickel(II) complexes of N-(2-hydroxyethyl)-2-(thiophene-2-ylmethylene)-hydrazinecarbothioamide. Transition Metal Chemistry, 2010, 35, 959-965.	1.4	15
23	Synthesis, spectral, DFT and X-ray study of a <i>cis</i> -MoO <sub>2</sub> complex with a new isothiosemicarbazone ligand. Journal of Coordination Chemistry, 2013, 66, 1854-1865.	2.2	14
24	X-ray structure and theoretical studies on a palladium(II) Schiff base complex. Journal of Coordination Chemistry, 2013, 66, 1866-1875.	2.2	13
25	Ring to open-chain transformation induced by selective metal coordination in a new dithiocarbazate ligand. Inorganica Chimica Acta, 2013, 404, 29-33.	2.4	11
26	Synthesis, Characterization and Structure of DBU-hydrobromide-perbromide: A Novel Oxidizing Agent for Selective Oxidation of Alcohols to Carbonyl Compounds. Bulletin of the Korean Chemical Society, 2010, 31, 949-952.	1.9	11
27	Regioselective Synthesis of New 2-(E)-Cyano(thiazolidin-2-ylidene)thiazoles. Molecules, 2009, 14, 4849-4857.	3.8	10
28	3,6-Di(p-chlorophenyl)-2,7-dihydro-1,4,5-thiadiazepine: Crystal Structure and Decoding Intermolecular Interactions with Hirshfeld Surface Analysis. Journal of Chemical Crystallography, 2010, 40, 746-752.	1.1	10
29	Synthesis, characterization and bioactivity studies of new dithiocarbazate complexes. New Journal of Chemistry, 2020, 44, 8878-8889.	2.8	10
30	Dioxidomolybdenum(VI) complexes of allyl <i>N</i> '-2-hydroxy-3-methoxybenzylidenecarbamohydranothioate: synthesis, spectral, and theoretical investigations. Journal of Coordination Chemistry, 2016, 69, 1100-1109.	2.2	9
31	New 2-pyridinealdehyde N 4-hydroxyethyl thiosemicarbazone and their Cd(II) and Cu(II) complexes: synthesis, spectral, in vitro antibacterial activity and molecular and supramolecular structure study. Journal of Sulfur Chemistry, 2010, 31, 415-426.	2.0	8
32	(Dimethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (sulfoxide- <sup>16</sup> O)[2-((ethylsulfanyl)[2-(2-oxidobenzylidene- <sup>16</sup> O)hydrazinylidene- <sup>16</sup> N]acta Crystallographica Section E: Structure Reports Online, 2012, 68, m244-m245.	0.2	8
33	Synthesis, spectroscopy, X-ray crystal structure, and DFT studies on a platinum(II) Schiff-base complex. Journal of Coordination Chemistry, 2012, 65, 4115-4124.	2.2	8
34	Square planar nickel(II) complexes derived from 5-bromo-2-hydroxybenzaldehyde <i>S</i> -ethylisothiosemicarbazone: Preparation, characterization and structural studies. Polyhedron, 2014, 80, 243-249.	2.2	8
35	Synthesis and HSA-interaction of a new mixed ligand Cu-isothiosemicarbazonato complex with adenine nucleobase. Polyhedron, 2020, 179, 114357.	2.2	8
36	Selective Oxidation of Thiols and Alcohols by Physically Encapsulated Nickel Schiff-Base Complex Prepared Via Sol-Gel Method as Nano-Catalyst. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 264-272.	0.6	6

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37	Effect of solvents in mixed-ligand supramolecular self-assembly architectures. <i>Polyhedron</i> , 2017, 134, 41-49.	2.2	6
38	A theoretical and experimental study of six novel new complexes of alkyl substituted isothiosemicarbazone. <i>Inorganica Chimica Acta</i> , 2019, 484, 322-331.	2.4	6
39	New 5-bromo-2-hydroxybenzaldehyde S-ethylisothiosemicarbazone and its mixed-ligand Cu(II) complex with imidazole: synthesis, characterization and DFT calculation. <i>Open Chemistry</i> , 2013, 11, 1844-1851.	1.9	5
40	An integrated experimental and theoretical investigation of the structural and spectroscopic properties of two nickel(II) isothiosemicarbazone complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1392-1404.	2.2	5
41	[2-(1-{2-[Azanidyl(ethylsulfanyl)methylidene- $\hat{\rho}$ N]}hydrazin-1-ylidene- $\hat{\rho}$ N1}ethyl)phenolato- $\hat{\rho}$ O]}(pyridine- $\hat{\rho}$ N)nickel(II) <sub>0.2</sub> <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m911-m911.		4
42	Synthesis and Spectral Study of a Copper(I) Complex, [Cu(L)(PPh <sub>3</sub> ) <sub>2</sub> ], with NS-Donor Ligand. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 596-605.	1.6	4
43	Dioxidouranium isothiosemicarbazone coordination compounds: synthesis, characterization, crystal structure, and thermal behavior. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1048-1062.	2.2	4
44	{4-Bromo-2-[(2-[(ethylsulfanyl)[(2-oxidobenzylidene- $\hat{\rho}$ O)amino- $\hat{\rho}$ N]}methylidene]hydrazinylidene- $\hat{\rho}$ N1)methyl]phenolato- $\hat{\rho}$ O]}(butan-2-ol- $\hat{\rho}$ O)} <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m279-m280.	0.2	3
45	Fe(III), Cu(II) and U(VI) binuclear complexes with a new isothiosemicarbazone ligand: Syntheses, characterization, crystal structures, thermal behavior and theoretical investigations. <i>Inorganica Chimica Acta</i> , 2018, 482, 643-653.	2.4	3
46	A Uranium-Based Isothiosemicarbazone Schiff Base Complex. , 2016, , 127-138.		3
47	[S-Allyl-4-(4-hydroxy-2-oxidobenzylidene- $\hat{\rho}$ O)-1-(2-oxidobenzylidene- $\hat{\rho}$ O)isothiosemicarbazidato- $\hat{\rho}$ 2N1,N4]}(ethanol- $\hat{\rho}$ O)dioxidouranium(VI) ethanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1824-m1825.	0.2	2
48	(Butan-2-ol- $\hat{\rho}$ O)[2-[(ethylsulfanyl)[2-(2-oxidobenzylidene- $\hat{\rho}$ O)hydrazinylidene- $\hat{\rho}$ N2]methyl]iminomethyl]phenolato- $\hat{\rho}$ O]}dioxidouranium(VI) <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m255-m256.	0.2	2
49	Structural and theoretical studies of iron(III) and copper(II) complexes of dianion N1,N4-bis(salicylidene)-S-alkyl-thiosemicarbazide. <i>Journal of Molecular Structure</i> , 2022, 1255, 132388.	3.6	2
50	Bis[ $\frac{1}{4}$ -4-(2-oxidobenzylidene)thiosemicarbazidato- $\hat{\rho}$ 4<sup>4</sup><i>S</i>, <i>N</i><sup>1</sup>, <i>O</i><sup>1</sup>, <i>O</i>]}bis[(pyridine- $\hat{\rho}$ N)] <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m106-m107.	0.2	1
51	[2-(1-{2-[Azanidyl(ethylsulfanyl)methylidene- $\hat{\rho}$ N]}hydrazin-1-ylidene- $\hat{\rho}$ N}<sup>1</sup>}ethyl)phenolato- $\hat{\rho}$ O]}(dimethylammonium) <sub>0.2</sub> <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m944-m945.	0.2	1
52	Oxido[2-[(E)-[[(1E)-[(E)-2-[1-(2-oxidophenyl)ethylidene]hydrazin-1-ylidene}(prop-2-en-1-ylsulfanyl)methyl]imino]methyl]phenolato]}vanadium(V) <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m1033-m1034.	0.2	1
53	Synthesis and X-ray crystal structures of some isothiosemicarbazone complexes. <i>Transition Metal Chemistry</i> , 2019, 44, 525-534.	1.4	1
54	Synthesis, Characterization, and Crystal Structure Investigation of a New Uranyl Complex of Isothiosemicarbazone. <i>Crystallography Reports</i> , 2021, 66, 468-475.	0.6	1

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55	Structural, theoretical investigations and HSA-interaction studies of three new copper(II) isothiosemicarbazone complexes. <i>Polyhedron</i> , 2022, 224, 115986.	2.2	1
56	Synthesis and Crystal Structure of [Benzyl N'-[[2-(hydroxy-kO)phenyl]ethylene]-N-[[2-(hydroxy-kO)phenyl]methylene]-carbamohydranonothioato-kN,kN']-ethanol-dioxido-uranium. <i>Crystallography Reports</i> , 2019, 64, 1089-1093.	2.2	0
57	Synthesis, crystal-molecular structure and spectral investigation of mixed-ligand Cu(II) new complex with 1,10-phenanthroline bidentate ligand by Salicylaldehyde S-benzylisothiosemicarbazone. <i>Iranian Journal of Crystallography and Mineralogy</i> , 2018, 26, 479-488.	0.1	0
58	Preparation of nano-TiO <sub>2</sub> sensitized by new ruthenium complex for photocatalytic degradation of methylene blue under visible light irradiation. <i>Journal of Coordination Chemistry</i> , 2022, 75, 808-821.	2.2	0