

Tatyana A Rodina

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Two structural types of dithiocarbamato-chlorido complexes of mercury(II): Preparation, supramolecular self-assembly, solid-state ¹³ C and ¹⁵ N NMR characterisation and thermal behaviour of pseudo-polymeric compounds of [Hg ₂ (S ₂ CN ₂ Bu ₂) ₂ Cl ₂] and [Hg ₄ (S ₂ CNiBu ₂) ₆][Hg ₂ Cl ₆]. <i>Inorganica Chimica Acta</i> , 2022, 533, 120786.	1.2	0
2	Preparation, Supramolecular Self-Organization (Construction of 2D Pseudopolymer Architecture), ¹³ C and ¹⁵ N CP/MAS NMR, and Thermal Behavior of the Double Au(III)-Hg(II) Complex [Au(S ₂ CN ₂ Bi ₂) ₂] ₂ [Hg ₂ Cl ₆]. <i>Russian Journal of General Chemistry</i> , 2022, 92, 1040-1048.	0.3	1
3	Chemisorptive Synthesis, Self-Assembly of Complicated 2D and 3D Supramolecular Architectures (Role of Tj ETQq1 1 0.784314 rgBT /O	0.3	3
4	Pseudo-Polymeric Gold(III)-Mercury(II) Dibutyldithiocarbamato-Chlorido Complexes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020, 46, 639-652.	1.2	11
5	Crystal structure, solid-state ¹³ C and ¹⁵ N NMR characterisation, chemisorption activity and thermal behaviour of new mercury(II) dipropyldithiocarbamate: Binuclear, pseudo-binuclear and heteronuclear complexes of [Hg ₂ (PrDtc) ₄], [Hg(PrDtc) ₂] ₂ and [Au(PrDtc) ₂] ₂ [Hg ₂ Cl ₆]. <i>Inorganica Chimica Acta</i> , 2020, 508, 119630.	0.4	5
6	Tetranuclear heteroleptic mercury(II) complexes of the composition [Hg ₄ (S ₂ CNPr ₂) ₆ (NO ₃) ₂] and [Hg ₄ (S ₂ CNPr ₂) ₄ Cl ₄]: structural organization, principles of construction of supramolecular polymeric chains, and thermal behavior. <i>Russian Chemical Bulletin</i> , 2019, 68, 782-792.	0.3	5
7	Pseudo-Polymeric Mercury(II) Morpholinedithiocarbamate [Hg{S ₂ CN(CH ₂) ₄ O} ₂] _n : Supramolecular Structure (a Role of Secondary Hg-Å-Å-S Bonds), ¹³ C and ¹⁵ N CP-MAS NMR Spectra, and Thermal Behavior. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 22-29.	0.3	4
8	Double Pseudo-Polymeric Gold(III)-Mercury(II) Complexes [Au(S ₂ CNR ₂) ₂] _n X [R ₂ = (CH ₂) ₆ , (CH ₂) ₄ O] Containing ([HgCl ₃] ^{âˆ’}) _n , [HgCl ₄] ^{2âˆ’} and [Hg ₂ Cl ₆] ^{2âˆ’} Anions: Chemisorption Synthesis, Principles of Supramolecular Self-Assembly, and Thermal Behavior. <i>Russian Journal of General Chemistry</i> , 2019, 89, 2273-2284.	0.3	6
9	Heteroleptic Dithiocarbamato-âˆ“Chlorido Gold(III) Complexes [Au(S ₂ CNR ₂)Cl ₂] (R = CH ₃ , iso-C ₃ H ₇ ; R ₂ =) Tj ETQq0 0 0 rgBT /Overlock	0.3	7
10	Coordination Chemistry/Koordinatsionnaya Khimiya, 2018, 44, 604-612.	0.3	6
11	Chemisorption Activity of Mercury(II) Cyclopentamethylenedithiocarbamate: Synthesis, Structure, and Thermal Behavior of the [Hg ₂ {S ₂ CN(CH ₂) ₅] ₄] and [Au ₃ {S ₂ CN(CH ₂) ₅] ₆][Au{S ₂ CN(CH ₂) ₅] ₂][Hg ₂ Cl ₆] ₂ Complexes. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2540-2549.	0.3	6
12	Multiple isomerization of structural units in ion-polymeric heteronuclear gold(III)-zinc(II) complex ([Au{S ₂ CN(C ₄ H ₉) ₂] ₂] ₂ [ZnCl ₄]) _n : Chemisorption-based synthesis, supramolecular structure (self-organization of long-period cation-âˆ“cationic polymer chains), and thermal behavior. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 512-525.	1.0	16
13	A new polymorphic modification and chemisorption activity of mercury(II) N,N-di-iso-propyldithiocarbamate: Synthesis and characterisation of the heteronuclear double complex of ([Au{S ₂ CN(iso-C ₃ H ₇) ₂] ₂] ₂ [Hg ₂ Cl ₆] ^{âˆ—} OC(CH ₃) ₂). <i>Polyhedron</i> , 2017, 134, 238-245.	0.3	5
14	Principles of supramolecular polymeric chain formation in heteronuclear gold(III)-iron(III) complexes ([Au(S ₂ CNR ₂) ₂][FeCl ₄]) _n (R = C ₃ H ₇ , iso-C ₃ H ₇): Chemisorption synthesis, structural organization, and thermal behavior. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 286-296.	0.3	8
15	Syntheses, supramolecular structures, and thermal behavior of heteronuclear gold(III)-mercury(II) dithiocarbamatochloride complexes [Au{S ₂ CN(CH ₃) ₂] ₂] ₂ [HgCl ₄] and ([Au{S ₂ CN(C ₂ H ₅) ₂] ₂] ₂ [Hg ₂ Cl ₆]) ₂ Tj ETQq1 1 0.784314 rg	0.3	8
16	Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2016, 42, 719-729.	0.3	8
17	Preparation, structural organization, and thermal behavior of the ion-polymeric gold(III)-zinc(II)-dibutylammonium complex ([NH ₂ (C ₄ H ₉) ₂][Au{S ₂ CN(C ₄ H ₉) ₂] ₂][ZnCl ₄]) _n . <i>Journal of Structural Chemistry</i> , 2016, 57, 146-154.	0.3	9
18	Gold(III)-iron(III) heteropolynuclear complexes ([Au{S ₂ CNR ₂] ₂][FeCl ₄]) _n (R = C ₄ H ₉ , iso-C ₄ H ₉): Chemisorption synthesis, supramolecular self-organization, and thermal behavior. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016, 42, 104-115.	0.3	4
19	Chemisorption of gold(III) from solutions using thallium(I) diisobutyldithiocarbamate: Supramolecular structure and thermal behavior of the polymeric gold(III)-thallium(III) complex ([Au{S ₂ CN(iso-C ₄ H ₉) ₂] ₂][TlCl ₄]) _n . <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 108-117.	2.0	13
20	Individual forms of gold(III) binding from solutions with zinc N,N-cyclo-hexamethylenedithiocarbamate: Structural self-organization and thermal behavior of gold complexes of composition [Au{S ₂ CN(CH ₂) ₆] ₂][AuCl ₄] and ([Au{S ₂ CN(CH ₂) ₆] ₂) ₃ [AuCl ₄][AuCl ₂]) _n . <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 307-317.		
21	Supramolecular self-organisation and conformational isomerism of a binuclear O,O-âˆ“dipropyl dithiophosphate gold(I) complex, [Au ₂ {S ₂ P(OC ₃ H ₇) ₂] ₂]: Synthesis, ¹³ C and ³¹ P CP/MAS NMR spectroscopy, single-crystal X-ray diffraction study and thermal behaviour. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 881-888.		

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19	Polymeric gold(I) diisobutyl dithiophosphate, $[Au_2\{S_2P(O\text{-}iso\text{-}C_4H_9)_2\}_2]_n$: Synthesis, supramolecular self-organization (a role of aurophilic interaction), ^{13}C and ^{31}P MAS NMR spectroscopy, and thermal behavior. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 748-756.	0.3	7
20	Synthesis, supramolecular self-organization, and thermal behavior of the heteropolynuclear complex $([H_3O][Au\{S_2CN(CH_2)_6\}_2][Au_2\{S_2CN(CH_2)_6\}_4][ZnCl_4]_2)_n$. Journal of Structural Chemistry, 2014, 55, 901-909.	0.3	8
21	Polymeric complexes $([Au\{S_2CN(CH_2)_4O\}_2]_2[ZnCl_4] \cdot 2H_2O)_n$ and $([Au\{S_2CN(CH_2)_4O\}_2]Cl \cdot 2H_2O)_n$ as individual gold(III)-binding forms in the $[Zn_2\{S_2CN(CH_2)_4O\}_4]_n$ - $[AuCl_4]^-/2M$ HCl chemisorption system: Supramolecular self-organization and thermal behavior. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 875-884.	0.3	7
22	Binding forms of gold(III) from solutions by cadmium diethyl dithiocarbamate: Thermal behavior and role of secondary interactions in the supramolecular self-assembly of polymeric complexes $([Au\{S_2CN(C_2H_5)_2\}_2][AuCl_4])_n$ and $[Au\{S_2CN(C_2H_5)_2\}_2Cl_2]_n$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 100-108.	0.3	12
23	Structural organization and thermal behavior of the heteropolynuclear complex $[Au_2\{S_2CN(CH_3)_2\}_4][ZnCl_4]$ and the heterovalent complex $([Au\{S_2CN(CH_3)_2\}_2][AuCl_2])_n$ obtained in the chemisorption system $[Zn_2\{S_2CN(CH_3)_2\}_4]-Au^{3+}/2 M$ HCl. Russian Journal of Inorganic Chemistry, 2014, 59, 807-815.	0.3	8
24	Structural organization of dithiocarbamate heteropolynuclear gold(III)-cadmium complexes from X-ray crystallography and ^{113}Cd MAS NMR spectroscopy data. Journal of Structural Chemistry, 2013, 54, 598-606.	0.3	9
25	Chemisorption of the $[AuCl_4]^-$ anion by cadmium cyclo-pentamethylenedithiocarbamate and the resulting bound-gold(III) species: The supramolecular structure and thermal behavior of the polynuclear complexes $([Au\{S_2CN(CH_2)_5\}_2]_2[CdCl_4])_n$ and $([Au\{S_2CN(CH_2)_5\}_2]Cl_2)_n$. Russian Journal of Inorganic Chemistry, 2013, 58, 338-349.	0.3	8
26	A fixation mode of gold(III) in the $[Zn_2\{S_2CN(iso\text{-}C_3H_7)_2\}_4]-[AuCl_4]^-/2 M$ HCl chemisorption system: Supramolecular structure and thermal behavior of the heteropolynuclear complex $([H_3O][Au_3\{S_2CN(iso\text{-}C_3H_7)_2\}_6][ZnCl_4]_2 \cdot H_2O)_n$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 463-470.	0.3	14
27	Individual gold(III)-binding species sorbed from solutions by zinc dimethyldithiocarbamate: Structural organization and thermal behavior of the heteropolynuclear complex $[Au_2\{S_2CN(CH_3)_2\}_4][ZnCl_4]$ and Heterovalent Complex $([Au\{S_2CN(CH_3)_2\}_2][AuCl_2])_n$. Doklady Physical Chemistry, 2013, 452, 223-228.	0.2	4
28	Formation of the ionic gold(III) complex $[Au_3\{S_2CN(CH_2)_4O\}_6][Au_2Cl_8][AuCl_4]$ in chemisorption systems $[M\{S_2CN(CH_2)_4O\}_2]_n$ - $[AuCl_4]^-/2 M$ HCl ($M = Cd, Zn$): Supramolecular structure and thermal behavior. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 694-703.	0.3	2
29	Fixation mode of gold(III) in $[Cd\{S_2CN(CH_2)_4O\}_2]_n$ - $[AuCl_4]^-/2 M$ HCl chemisorption system: Preparation, supramolecular self-organization and thermal behavior of the heteropolynuclear complex $([Au\{S_2CN(CH_2)_4O\}_2]_2[CdCl_4] \cdot H_2O)_n$. Russian Journal of Inorganic Chemistry, 2013, 58, 1104-1111.	0.3	7
30	CP/MAS NMR (^{13}C , ^{15}N , and ^{113}Cd), thermal behavior, and sorption properties of cadmium Di-iso-butyl dithiocarbamate. The gold(III)-binding species sorbed from solutions. Russian Journal of Inorganic Chemistry, 2012, 57, 1490-1495.	0.3	11
31	Fixation modes of gold(III) from solutions using cadmium(II) dithiocarbamates. Preparation, supramolecular structure and thermal behaviour of polynuclear and heteropolynuclear gold(III) complexes: Bis(N,N-dialkyldithiocarbamato-S, \hat{S})gold(III) polychlorometallates, $[Au(S_2CNR_2)_2]_nX$ ($n=1$): Tj ETQq10130.784314 rgBT	0.3	19
32	Crystalline O, \hat{O} -di-sec-butyl and O, \hat{O} -diethyl dithiophosphate platinum(II) complexes: Synthesis, ^{13}C and ^{31}P CP/MAS NMR, single crystal X-ray diffraction studies and thermal behaviour. Polyhedron, 2011, 30, 2210-2217.	1.0	21
33	A fixation mode of gold(III) in the course of the chemisorption interaction with cadmium cyclo-hexamethylene dithiocarbamate: Structural organization and thermal behavior of the heteropolynuclear complex $([Au\{S_2CN(CH_2)_6\}_2]_2[CdCl_4] \cdot 3/4H_2O)_n$ (an example of the complicated) Tj ETQq10130.784314 rgBT	0.3	19
34	Toluene-solvated zinc dimethyldithiocarbamate adduct with piperidine $[Zn\{NH(CH_2)_5\}\{S_2CN(CH_3)_2\}_2] \cdot 2C_6H_5CH_3$: Synthesis, structure, and thermal properties. Russian Journal of Inorganic Chemistry, 2011, 56, 1318-1323.	0.3	0
35	A pyridine adduct of bis(di-iso-butyl dithiocarbamato-S, \hat{S})cadmium(II): Multinuclear (^{13}C , ^{15}N , ^{113}Cd) CP/MAS NMR spectroscopy, crystal and molecular structure, and thermal behaviour. Inorganica Chimica Acta, 2011, 368, 263-270.	1.2	18
36	Coordination of gold(III) in the chemisorption by cadmium diisobutyl dithiocarbamate: Structure and thermal properties of the polynuclear gold-cadmium complex $[Au\{S_2CN(iso\text{-}C_4H_9)_2\}_2]_n [CdCl_4]_n$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 1-8.	0.3	13

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37	Synthesis, structure, and thermal properties of thallium(I) N,N-cyclo-pentamethylenedithiocarbamate $[Tl_2\{S_2CN(CH_2)_5\}_2]_n$: X-ray diffraction, ^{13}C and ^{15}N MAS NMR, and thermal analysis studies (An) Tj ETQq1 1 0.784314 rgBT /Overbo Chemistry/Koordinatsionnaya Khimiya, 2009, 35, 170-178.	0.3	12
38	Platinum(II) O,O'-diisobutyl dithiophosphate: Synthesis, structure, thermal properties, and solid-state ^{13}C , ^{31}P , and ^{195}Pt CP/MAS NMR spectra. Model of the structural state of platinum in cooperite. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2009, 35, 534-540.	0.3	12
39	Structural organization and thermal properties of crystalline copper(II) N,N-cyclo-hexamethylenedithiocarbamate: A manifestation of coordination polymerism. Russian Journal of Inorganic Chemistry, 2009, 54, 1243-1250.	0.3	5
40	Synthesis, structure, and ^{13}C and ^{31}P CP/MAS NMR of crystalline modifications of the polynuclear thallium(I) O,O'-dicyclohexyl phosphorodithioate complex $[Tl\{S_2P(O-cyclo-C_6H_{11})_2\}]_n$. Russian Journal of Inorganic Chemistry, 2009, 54, 1779-1788.	0.3	6
41	Polynuclear thallium(I) N,N-cyclo-hexamethylenedithiocarbamate $[Tl_2\{S_2CN(CH_2)_6\}_2]_n$: Chemisorption properties and copper(II) fixation modes. Russian Journal of Inorganic Chemistry, 2009, 54, 1964-1968.	0.3	3
42	Adducts of zinc and copper(II) dimethyl and diethyldithiocarbamates with piperidine: Synthesis, EPR, solid-state natural abundance ^{13}C and ^{15}N CP/MAS NMR and single-crystal X-ray diffraction studies. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2008, 34, 688-698.	0.3	5
43	Structural organization of the tetranuclear zinc di-iso-propyl phosphorodithioate complex Russian Journal of Inorganic Chemistry, 2008, 53, 1098-1109.	0.3	4
44	Crystalline platinum(II) O,O'-di-iso-butyl dithiophosphate as a Model of the structural state of platinum in cooperite: Synthesis, structure, and multinuclear ^{13}C , ^{31}P , and ^{195}Pt MAS NMR. Doklady Physical Chemistry, 2008, 423, 311-316.	0.2	6
45	Adducts of zinc and copper(II) dialkyldithiocarbamate complexes with dialkylamines: Synthesis, EPR, and ^{13}C and ^{15}N CP/MAS NMR. Russian Journal of Inorganic Chemistry, 2007, 52, 691-697.	0.3	2