

Yu V Torubaev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Organometallic halogen bond acceptors: directionality, hybrid cocrystal precipitation, and blueshifted CO ligand vibrational band. <i>CrystEngComm</i> , 2018, 20, 2258-2266.	2.6	36
2	Organotellurium halides: New ligands for transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2012, 256, 709-721.	18.8	27
3	The energy frameworks of aufbau synthon modules in 4-cyanopyridine co-crystals. <i>CrystEngComm</i> , 2019, 21, 7057-7068.	2.6	25
4	Energy framework approach to the supramolecular reactions: interplay of the secondary bonding interaction in Ph ₂ E ₂ (E = Se, Te)–I–C ₆ F ₄ –I co-crystals. <i>New Journal of Chemistry</i> , 2019, 43, 7941-7949.	2.8	22
5	First structural evidence of a Se–Br–Br halogen-bonded molecular complex. <i>New Journal of Chemistry</i> , 2017, 41, 3606-3611.	2.8	18
6	Synthesis and X-ray investigation of novel Fe and Mn phenyltellurenyl-halide complexes: (CO) ₃ FeBr ₂ (PhTeBr), (1-5-C ₅ H ₅)Fe(CO) ₂ (PhTeI ₂) and CpMn(CO) ₂ (PhTeI). <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1781-1785.	1.8	17
7	Self-assembly of conducting cocrystals via iodine–π(Cp) interactions. <i>CrystEngComm</i> , 2017, 19, 5114-5121.	2.6	17
8	A new supramolecular heterosynthon [Ca–I–O–(carboxylate)] at work: engineering copper acetate cocrystals. <i>CrystEngComm</i> , 2020, 22, 6661-6673.	2.6	17
9	Halogen vs. ionic bonding: an unusual isomorphism between the neutral (C ₅ Me ₅) ₂ Fe/C ₂ I ₂ cocrystal and ionic [(C ₅ Me ₅) ₂ Fe] ⁺ Br ₃ [−] crystal. <i>Mendeleev Communications</i> , 2021, 31, 58-61.	1.6	16
10	Regio- and stereo-specific addition of organotellurium trihalides to ferrocenylacetylene: Molecular and crystal structure of (Z)-halovinyl organotellurium dihalides. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1300-1306.	1.8	15
11	Highly polar stacking interactions wrap inorganics in organics: lone-pair–hole interactions between the PdO ₄ core and electron-deficient arenes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4965-4975.	6.0	15
12	From weak to strong interactions: structural and electron topology analysis of the continuum from the supramolecular chalcogen bonding to covalent bonds. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8251-8259.	2.8	15
13	Stannylene complexes of manganese, iron, and platinum. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014, 40, 131-137.	1.0	13
14	Halogen bonding in crystals of free 1,2-diiodo-ethene (C ₂ H ₂ I ₂) and its π-complex [CpMn(CO) ₂](π-C ₂ H ₂ I ₂). <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020, 235, 599-607.	0.8	13
15	(Z)-diiodo(2-iodo-2-phenylvinyl)(phenyl)tellurium PhIC=CHTeI ₂ Ph: Synthesis and complexing properties in a reaction with iron pentacarbonyl. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2008, 34, 805-810.	1.0	10
16	Phenyltellurium halide complexes of iron cyclopentadienyl dicarbonyl: Synthesis and molecular structures of CpFe(CO) ₂ TePh, CpFe(CO) ₂ TeBr ₂ Ph, CpFe(CO) ₂ TeBrPh(I ^{1/4} -Br)Br ₃ TePh, and PhTeI ₃ (C ₄ H ₈ O). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009, 35, 341-346.	1.0	10
17	Mixed-valent ferrocenyltellurenyl halides. Synthesis, electrochemistry and unusual molecular structure. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 115-119.	1.8	10
18	Phenyltellurolate-bridged heterometallic complexes combining rhenium tricarbonyl with (dicarbonyl)(cyclopentadienyl)iron or bis(diphenylphosphino)ethaneplatinum. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014, 40, 611-616.	1.0	10

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19	Step-by-step transformations of ferrocenyltellurium complexes of Group VIB metal carbonyls. <i>Journal of Organometallic Chemistry</i> , 2014, 758, 55-59.	1.8	10
20	Synthesis and Molecular Structure of Redox Active Platinum-Bis(Telluroferrocenyl) Complex and its Chelated Rhenium-Chloro(Tricarbonyl) Derivative. <i>Journal of Cluster Science</i> , 2015, 26, 247-255.	3.3	10
21	Synthesis and molecular structure of tricarbonyl(diphenyl ditelluride)diiodoiron (CO) ₃ Fe ₂ (Te ₂ Ph ₂) and tricarbonyldiiodo[iodo(phenyl)tellurido]iron (CO) ₃ Fe ₂ (PhTel): First example of the coordination of unstable PhTel to the transition metal atom. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2008, 34, 799-804.	1.0	9
22	Iron cyclopentadienyl(triphenylphosphine)carbonylphenyl telluride adducts with manganese, tungsten, and rhodium complexes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 741-746.	1.0	9
23	Isomorphic substitution in molecular crystals and geometry of hypervalent tellurium: comments inspired by a case study of RMe ₂ Te ₂ and [RMe ₂ Te] ⁺ I ⁻ (R) Tj. DOI: 10.10984314		
24	Synthesis and molecular structures of the cobalt complexes (1-4-C ₄ Me ₄)Co(CO) ₂ SnCl ₃ , (1-4-C ₄ Me ₄)Co(CO) ₂ (Te ₂ Ph), and (1-4-C ₄ Me ₄)Co(CO) ₂ (TeBrPh) with the shortened Co-Sn and Co-Te bonds. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009, 35, 1-5.	1.0	8
25	Trichlorostannyl and tris(phenylacetylenide)stannyl complexes of manganese cyclopentadienylcarbonylnitrosyl: Synthesis and molecular structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2010, 36, 284-288.	1.0	8
26	Metal-metal bond cleavage in [Cp(CO) ₂ Fe-Fe(CO) ₂ Cp] under the action of organotellurium(IV)tribromides. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2012, 38, 219-223.	1.0	8
27	Halogen and Hydrogen Bonds in Co-crystalline Ferrocenium Organotellurium Halide Salts. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 788-794.	1.0	8
28	Phenyltellurenyl halide complexes of ruthenium and rhenium (CO) ₂ RuBr ₂ (PhTeBr) ₂ and (CO) ₃ Re(PhTel) ₃ (1/4-3-I): Synthesis and crystal and molecular structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009, 35, 807-811.	1.0	7
29	(Dicarbonyl)(1-cyclohexadienyl)iron iodide, trichlorostannate, and tris(cymantrenecarboxylato)stannate: Synthesis and molecular structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011, 37, 447-451.	1.0	7
30	Synthesis, molecular structures, Mössbauer and electrochemical investigation of ferrocenyltelluride derivatives: (Fc ₂ Te ₂)Fe(CO) ₃ I ₂ [(CO) ₃ Fe(1/4-TeFc)] ₂ , CpFe(CO) ₂ TeFc, CpFe(CO) ₂ TeX ₂ Fc (X=Br, I) and CpFe(CO) ₂ (1/4-TeFc)Fe(CO) ₃ I ₂ . <i>Journal of Organometallic Chemistry</i> , 2015, 777, 88-95.	1.8	7
31	Crystal structures of the products of unusual interactions between organotellurides and iodoacetylenes. <i>Mendeleev Communications</i> , 2017, 27, 141-143.	1.6	7
32	Interplay of noncovalent interactions in antiseptic quaternary ammonium surfactant Miramistin. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 402-411.	0.5	7
33	Structure-defining interactions in the salt cocrystals of [(Me ₅ C ₅) ₂ Fe] ⁺ I ₃ ⁻ XC ₆ H ₄ OH (X = Cl, I): weak noncovalent vs. strong ionic bonding. <i>Mendeleev Communications</i> , 2020, 30, 580-582.	1.6	7
34	Dicarbonylcyclopentadienyltellurophenyliron complexes as ligands. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014, 40, 697-703.	1.0	6
35	Title is missing!. <i>Russian Chemical Bulletin</i> , 2001, 50, 2215-2220.	1.5	5
36	Title is missing!. <i>Russian Chemical Bulletin</i> , 2003, 52, 944-951.	1.5	5

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37	Syntheses, molecular structures, and thermal decomposition of cyclopentadienyldicarbonylmanganese chalcogenide derivatives. Russian Chemical Bulletin, 2003, 52, 2689-2700.	1.5	5
38	Unexpected stabilization of the heterocyclic form of oxidized dithizone: Synthesis and molecular structures of chromium and tungsten 5-mercapto-2,3-diphenyltetrazolium pentacarbonyls. Russian Journal of Inorganic Chemistry, 2007, 52, 875-878.	1.3	5
39	Synthesis, molecular structures, and properties of heterometallic cobalt tetramethylcyclobutadiene complexes (C ₄ Me ₄)Co(CO) ₂ TePh, (C ₄ Me ₄)Co(CO) ₂ TePh[W(CO) ₅], and Me ₄ C ₄ Co(1/4 ³ -S)2Cr ₂ Cp ₂ (1/4-SC ₄ H ₉). Russian Chemical Bulletin, 2007, 56, 1731-1735.	1.5	5
40	Synthesis and molecular structures of tris(thio- and selenophenyl)stannyl complexes of cyclopentadienylcarbonylnitrosylmanganese and their reaction products with tungsten carbonyl. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 879-886.	1.0	5
41	Diphenyldichalcogenide complexes of iron, chromium and rhenium carbonyls. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2012, 38, 724-732.	1.0	5
42	The borderline: exploring the structural landscape of triptycene in cocrystallization with ferrocene. CrystEngComm, 2020, 22, 1314-1320.	2.6	5
43	Crystals at a Carrefour on the Way through the Phase Space: A Middle Path. Molecules, 2021, 26, 1583.	3.8	5
44	The structural landscape of ferrocenyl polychalcogenides. Journal of Organometallic Chemistry, 2021, 951, 122006.	1.8	5
45	Stages of Kitaigorodsky Aufbau Principle Detached in the Cocrystals of Cp ₂ MX ₂ (M = Ti, Zr; X = Cl, Br, I) with f- and ĩ-Hole Donors. Crystal Growth and Design, 2022, 22, 1244-1252.	3.0	5
46	Cyclodimerization of phenyliodoacetylene with elemental tellurium: New pathway to 1,3-ditellurofulvenes. Journal of Organometallic Chemistry, 2011, 696, 496-503.	1.8	4
47	Synthesis and molecular structure of mixed-metal stannylene derivatives of cyclopentadienyl(nitrosyl)(carbonyl) manganese. Journal of Organometallic Chemistry, 2013, 724, 75-81.	1.8	4
48	Oxidation of ferrocene and 1,1'-ferrocene triselenide by bromine and phenyltellurium tribromide. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 638-643.	1.0	4
49	Long-range supramolecular synthon polymorphism: a case study of two new polymorphic cocrystals of Ph ₂ Te ₂ •1,4-C ₆ F ₄ I ₂ . CrystEngComm, 2022, 24, 1442-1452.	2.6	4
50	Regularities of thermal decay of carbonyl chalcogenide metal clusters. Russian Chemical Bulletin, 2003, 52, 109-115.	1.5	3
51	Synthesis and molecular structure of chlorostannyl derivatives of carbonyl(cyclopentadienyl)nitrosylmanganese. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 490-496.	1.0	3
52	Synthesis and molecular structures of cyclopentadienyl sulfide complexes of chromium with cymantrenyl-thiolate bridging ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 305-311.	1.0	3
53	Cluster core growth upon the decarbonylation of cyclopentadienyl-iron-dicarbonyl ferrocenyltelluride CpFe(CO) ₂ TeFc: Fe ₁ Te ₁ to Fe ₃ Te ₃ . Polyhedron, 2020, 177, 114298.	2.2	3
54	Unusual Formation of the Paramagnetic Complex (1-4-C ₄ Me ₄)CoI ₂ (PhTeI) and Specific Features of Its Electronic, Molecular, and Crystal Structures. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 850-856.	1.0	3

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55	Synthesis and molecular structures of heterometallic complexes $[\text{RC}_5\text{H}_4\text{Fe}(\text{CO})_2]_2 \text{Sn}(\text{TePh})_2$ and their adducts with chromium and tungsten carbonyls or with trimethylplatinum iodide. Russian Chemical Bulletin, 1999, 48, 1744-1750.	1.5	2
56	Formation of Pt-S-Mn groups in platinum triphenylphosphine complexes with cymantrenylthiolate ligands. Russian Chemical Bulletin, 2005, 54, 1552-1556.	1.5	2
57	Thiolate-bridged heterometallic complexes of manganese and platinum: Synthesis and molecular structures of $(\text{CO})_4\text{Mn}(\eta^4\text{-SPh})\text{Pt}(\text{PPh}_3)_2$, $(\text{CO})_3(\text{PPh}_3)\text{Mn}(\eta^4\text{-SPh})\text{Pt}(\text{PPh}_3)(\text{CO})$, and $(\text{CO})_3\text{Mn}(\eta^4\text{-SPh})\text{Pt}(\text{PPh}_3)(\text{Dppm})$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 613-618.	1.0	2
58	Synthesis and molecular structure of $[\{(\text{CO})_3\text{RuBr}_2\}_2(\eta^4\text{-SePh})_2\text{Ru}(\text{CO})_4]$ cluster with a Ru_3Se_2 chain core. Journal of Organometallic Chemistry, 2011, 696, 832-834.	1.8	2
59	$\text{CpFe}(\text{CO})_2\text{TePh}$ as a ligand for organometallic dihalides $\text{Fe}(\text{CO})_4\text{I}_2$, $(p\text{-Cymene})\text{RuI}_2$, and $\text{Me}_5\text{C}_5\text{RhI}_2$: Synthesis and molecular structures. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2017, 43, 44-49.	1.0	2
60	Solvent mediated synthesis of homoleptic tri and tetranuclear nickel complex derived from $[\text{Ni}_2(\mu\text{-SeC}_5\text{H}_4\text{N})_2(\text{dppe})_2]^{2+}$ and theoretical studies. Journal of Organometallic Chemistry, 2022, 957, 122177.	1.8	2
61	Long-Range Supramolecular Synthons Isomerism: Insight from a Case Study of Vinylic Tellurium Trihalides $\text{Cl}(\text{Ph})\text{C}=\text{C}(\text{Ph})\text{TeX}_3$ ($\text{X} = \text{Cl}, \text{I}$). Chemistry, 2022, 4, 196-205.	2.2	2
62	Synthesis and molecular structure of cyclopentadienyl(nitrosyl)(carbonyl) thiolate $\text{CpMn}(\text{CO})(\text{NO})\text{Sn}(\text{SPh})_3$ with a manganese-tin bond. Russian Journal of Inorganic Chemistry, 2007, 52, 871-874.	1.3	1
63	Oxidative addition of the Mo-Cl bond to the Pt(0) complex. Synthesis and structure of $\text{Cp}^*\text{Mo}(\eta^4\text{-CO})_2(\text{C}_2\text{Ph}_2)\text{Pt}_2(\text{PPh}_3)_2(\text{CO})\text{Cl}$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2009, 35, 401-404.	1.0	1
64	Reaction of ferrocenyl triselenide with tris(triphenylphosphine)platinum. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 654-657.	1.0	1
65	Oxidation of Iron Complex with NHC Ligand with Molecular Iodine. Russian Journal of Inorganic Chemistry, 2019, 64, 1418-1423.	1.3	1
66	Chimeric supramolecular synthons in $\text{Ph}_2\text{Te}_2(\text{I})_2\text{Se}$. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 579-584.	0.5	1
67	Halogen Bonding and CO-Ligand Blue-Shift in Hybrid Organic-Organometallic Cocrystals $[\text{CpFe}(\text{CO})_2\text{X}] (\text{C}_2\text{I}_4)$ ($\text{X} = \text{Cl}, \text{Br}$). Crystals, 2022, 12, 412.	2.2	1
68	Complex of bis(triphenylphosphine)platinum(0) with but-2-yne-1,4-diol: Synthesis and molecular structure. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 801-803.	1.0	0
69	Synthesis, Structure, and Haptotropic Interconversions of Tungsten Cycloheptatrienyl- η^5 -Acetonitrile Carbonyl Complexes. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 427-432.	1.0	0
70	Electron compensating fragmentation of phenylethynyl ferrocenyltelluride in reactions with homoleptic metal carbonyls of Cr, Mo, W, Fe and Ru: Synthesis and structure of Te stabilized clusters. Journal of Organometallic Chemistry, 2021, 954-955, 122083.	1.8	0