

Sergey Korenev

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.

158
papers

1,299
citations

16
h-index

27
g-index

168
ext. papers

1,511
ext. citations

2.4
avg, IF

4.23
L-index

#	Paper	IF	Citations
158	Pt-Fe nanoalloy: Structure evolution study and catalytic properties in water gas shift reaction. <i>Materials Research Bulletin</i> , 2022 , 149, 111727	5.1	1
157	Photoinduced transformation of (Bu ₄ N) ₂ [Pt(NO ₃) ₆] complex in the solid state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 427, 113788	4.7	
156	Hydrogarnet-derived Rh/TiO ₂ catalysts with a low rhodium content for a photocatalytic hydrogen production. <i>Materials Letters</i> , 2022 , 307, 130997	3.3	0
155	Structure and properties of the (PicH) ₃ [RhCl ₆] salt containing 2-methylpyridinium cations. <i>Journal of Molecular Structure</i> , 2022 , 1250, 131661	3.4	
154	Synthesis and investigation of the thermal properties of [Co(NH ₃) ₆][Co(C ₂ O ₄) ₃]·nH ₂ O and [Ir(NH ₃) ₆][Ir(C ₂ O ₄) ₃]. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022 , 78, 537-545	1.8	
153	Local atomic and electronic structure of Pt-Os nanoplates and nanofibers derived from the single-source precursor (NH ₄) ₂ [Pt _{0.5} Os _{0.5} Cl ₆]. <i>Journal of Nanoparticle Research</i> , 2021 , 24, 1	2.3	
152	Design of Nanoalloyed Catalysts for Hydrogen Production Processes. <i>Nanobiotechnology Reports</i> , 2021 , 16, 195-201		0
151	SYNTHESIS AND THERMAL PROPERTIES OF DOUBLE COMPLEX SALT: CHLOROPENTAAMMINECHROMIUM(III) BIS(OXALATO)PALLADATE. <i>Journal of Structural Chemistry</i> , 2021 , 62, 555-562	0.9	
150	COMPLEX SALT [Pd(NH ₃) ₄][Pd(NH ₃) ₃ NO ₂][RhOx ₃]·nH ₂ O AS A PROSPECTIVE PRECURSOR OF PdRh NANOALLOYS. CRYSTAL STRUCTURE OF Na ₃ [RhOx ₃]·nH ₂ O. <i>Journal of Structural Chemistry</i> , 2021 , 62, 782-793	0.9	1
149	Keggin-type polyoxometalate 1 : 1 complexes of Pb(II) and Bi(III): experimental, theoretical and luminescence studies. <i>Dalton Transactions</i> , 2021 , 50, 6913-6922	4.3	1
148	Time-resolved study of Pd-Os and Pt-Os nanoalloys formation through thermal decomposition of [Pd(NH ₃) ₄][OsCl ₆] and [Pt(NH ₃) ₄][OsCl ₆] complex salts. <i>Materials Research Bulletin</i> , 2021 , 144, 111511	5.1	1
147	In Situ and Ex Situ Studies of Tetrammineplatinum(II) Chromate Thermolysis. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 1566-1570	1.5	2
146	Zinc(II) and Manganese(II) Oxalatopalladates as Precursors of Bimetallic Nanomaterials. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 1571-1576	1.5	1
145	Phase transformations in a double complex salt of the ruthenium nitrosyl anion and tetraamine-palladium cation. <i>CrystEngComm</i> , 2020 , 22, 3692-3700	3.3	1
144	Tetraammineplatinum(II) and Tetraamminepalladium(II) Chromates as Precursors of Metal Oxide Catalysts. <i>Chemistry - A European Journal</i> , 2020 , 26, 4341-4349	4.8	6
143	Preparation of porous Co-Pt alloys for catalytic synthesis of carbon nanofibers. <i>Nanotechnology</i> , 2020 , 31, 495604	3.4	2
142	MATERIALS AM ₂ B ₃ (B=Zr, Hf; B=W, Mo) WITH NEGATIVE THERMAL EXPANSION. <i>Journal of Structural Chemistry</i> , 2020 , 61, 1655-1680	0.9	1

141	Cerium(III) Nitrate Derived CeO ₂ Support Stabilising PtOx Active Species for Room Temperature CO Oxidation. <i>ChemCatChem</i> , 2020 , 12, 1413-1428	5.2	7
140	Insight into the thermal decomposition of ammonium hexahalogenoiridates(IV) and hexachloroiridate(III). <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 22923-22934	3.6	
139	Synthesis of nitrogen doped segmented carbon nanofibers via metal dusting of Ni-Pd alloy. <i>Catalysis Today</i> , 2020 , 388-389, 312-312	5.3	3
138	Studying the Process of (NH ₄) ₂ [IrCl ₆] Thermal Decomposition by X-Ray Photoelectron Spectroscopy and Electron Microscopy. <i>Journal of Structural Chemistry</i> , 2020 , 61, 388-399	0.9	3
137	Secondary Coordination in the Structures of Zinc(II) and Manganese(II) Oxalatopalladates(II). <i>Journal of Structural Chemistry</i> , 2020 , 61, 719-726	0.9	2
136	Benzaldoxime to benzamide rearrangement catalysed by rhodium(III) hydroxocomplexes: The influence of polynuclear species. <i>Applied Catalysis A: General</i> , 2019 , 587, 117242	5.1	2
135	Study of CoPt _{1-x} nanoalloy formation mechanism via single-source precursors. <i>Powder Diffraction</i> , 2019 , 34, S27-S31	1.8	
134	Oxalato complexes of Pd(II) with Co(II) and Ni(II) as single-source precursors for bimetallic nanoalloys. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 111-121	4.1	8
133	The study of Rh(III) hydroxocomplexes using capillary zone electrophoresis with a UV-Vis detector: the development of the method. <i>Dalton Transactions</i> , 2019 , 48, 12707-12712	4.3	2
132	Mixed-Ligand Iridium(III) Nitro Complexes with Phenantroline. <i>Journal of Structural Chemistry</i> , 2019 , 60, 640-646	0.9	0
131	Preparation of highly dispersed Ni _{1-x} Pd _x alloys for the decomposition of chlorinated hydrocarbons. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 716-722	5.7	13
130	Experimental redetermination of the CuPd phase diagram. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 204-212	5.7	15
129	Bimetallic Pt-Co/Al ₂ O ₃ /FeCrAl wire mesh composite catalyst prepared via double complex salt [Pt(NH ₃) ₄][Co(C ₂ O ₄) ₂ (H ₂ O) ₂] \cdot 2H ₂ O decomposition. <i>Materials Letters</i> , 2019 , 236, 109-111	3.3	7
128	Structure and properties of a rhodium(III) pentanitrate complex embracing uni- and bidentate nitrate ligands. <i>Polyhedron</i> , 2018 , 147, 69-74	2.7	2
127	A new approach towards the study of thermal decomposition and formation processes of nanoalloys: the double complex salt [Pd(NH ₃) ₄][PtCl ₆]. <i>New Journal of Chemistry</i> , 2018 , 42, 5071-5082	3.6	9
126	The peculiarities of AuPt alloy nanoparticles formation during the decomposition of double complex salts. <i>Journal of Alloys and Compounds</i> , 2018 , 740, 935-940	5.7	12
125	Complex salts of Pd(II) and Pt(II) with Co(II) and Ni(II) aqua-cations as single-source precursors for bimetallic nanoalloys and mixed oxides. <i>New Journal of Chemistry</i> , 2018 , 42, 8843-8850	3.6	8
124	Synthesis and study of Pd-Rh alloy nanoparticles and alumina-supported low-content Pd-Rh catalysts for CO oxidation. <i>Materials Research Bulletin</i> , 2018 , 102, 196-202	5.1	9

123	Crystal Structure and Properties of $[\text{Rh}_2(\text{H}_2\text{O})_8(\text{EOH})_2](\text{NO}_3)_4 \cdot 4\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2018 , 59, 664-668	0.9	4
122	Preparation of $\text{Zr}(\text{Mo,W})\text{O}$ with a larger negative thermal expansion by controlling the thermal decomposition of $\text{Zr}(\text{Mo,W})(\text{OH,Cl})_2 \cdot \text{H}_2\text{O}$. <i>Scientific Reports</i> , 2018 , 8, 5337	4.9	5
121	Bimetallic $\text{Pt}_{0.5}\text{Co}_{0.5}/\text{SiO}_2$ Catalyst: Preparation, Structure, and Properties in Preferential Oxidation of Carbon Monoxide. <i>Kinetics and Catalysis</i> , 2018 , 59, 514-520	1.5	9
120	Exothermal effects in the thermal decomposition of $[\text{IrCl}_6]^{2-}$ -containing salts with $[\text{M}(\text{NH}_3)_5\text{Cl}]^{2+}$ cations: $[\text{M}(\text{NH}_3)_5\text{Cl}][\text{IrCl}_6]$ ($\text{M} = \text{Co}, \text{Cr}, \text{Ru}, \text{Rh}, \text{Ir}$). <i>New Journal of Chemistry</i> , 2018 , 42, 1762-1770	3.6	12
119	Successful synthesis and thermal stability of immiscible metal Au-Rh, Au-Ir and Au-Ir-Rh nanoalloys. <i>Nanotechnology</i> , 2017 , 28, 205302	3.4	15
118	Domain structure of CoIr nanoalloys. <i>Powder Diffraction</i> , 2017 , 32, S155-S159	1.8	1
117	Crystal structures of $[\text{RhL}_4\text{Cl}_2][\text{AuCl}_4]$ ($\text{L} = \text{Py}, \text{E}$ and E picolines) complex salts. <i>Journal of Structural Chemistry</i> , 2017 , 58, 84-89	0.9	
116	Spectroscopic and DFT Study of Rh Chloro Complex Transformation in Alkaline Solutions. <i>Inorganic Chemistry</i> , 2017 , 56, 10724-10734	5.1	8
115	In situ X-ray spectroscopic investigation of thermal decomposition of double complex salt $[\text{Pt}(\text{NH}_3)_4][\text{OsCl}_6]$. <i>Journal of Structural Chemistry</i> , 2017 , 58, 901-910	0.9	6
114	Double complex salts $[\text{Au}(\text{En})_2][\text{Ir}(\text{NO}_2)_6] \cdot n\text{H}_2\text{O}$ ($n = 0, 2$), $[\text{Au}(\text{En})_2][\text{Ir}(\text{NO}_2)_6] \times [\text{Rh}(\text{NO}_2)_6] \cdot x\text{H}_2\text{O}$ ($x = 0.25, 0.5, 0.75$): Synthesis, structure, thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 12-21	1.5	2
113	Ordering and magnetic properties of nanostructured CoPt particles. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017 , 81, 298-300	0.4	
112	Isolation of homoleptic platinum oxyanionic complexes with doubly protonated diazacrown cation. <i>Journal of Molecular Structure</i> , 2017 , 1130, 855-859	3.4	8
111	New double complex salt $[\text{Pd}(\text{En})_2]_3[\text{Rh}(\text{NO}_2)_6]_2 \cdot 2.67\text{H}_2\text{O}$: Synthesis, crystal structure, and thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 886-892	1.5	1
110	Effect of Pd deposition procedure on activity of $\text{Pd}/\text{Ce}_{0.5}\text{Sn}_{0.5}\text{O}_2$ catalysts for low-temperature CO oxidation. <i>Catalysis Communications</i> , 2016 , 73, 34-38	3.2	14
109	MOCVD growth and study of magnetic Co films. <i>Surface Engineering</i> , 2016 , 32, 8-14	2.6	3
108	Rhodium(III) Speciation in Concentrated Nitric Acid Solutions. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3822-3828	2.3	11
107	Thermal decomposition of ammonium hexachloroosmate. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 33134-33141	3.6	8
106	Study on thermal decomposition of double complex salt $[\text{Pd}(\text{NH}_3)_4][\text{PtCl}_6]$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 1183-1195	4.1	13

105	The exchange interaction effects on magnetic properties of the nanostructured CoPt particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 401, 236-241	2.8	7
104	Structural investigation of salts containing ions $[Pd(NH_3)_4]^{2+}$ and $[IrF_6]^{2-}$. <i>Journal of Structural Chemistry</i> , 2016 , 57, 1606-1612	0.9	
103	X-ray study of $[Cu(NH_3)_4](ReO_4)_2 \cdot [Cu(NH_3)_2(ReO_4)_2]_n$ transformation. <i>Journal of Structural Chemistry</i> , 2016 , 57, 140-145	0.9	1
102	Crystal structure and thermal properties of $K_3[Ir(C_2O_4)_3] \cdot 4.25H_2O$ and $K_3[Ir(C_2O_4)_3] \cdot 0.5KCl \cdot 4H_2O$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1541-1548	4.1	3
101	Effect of the anion nature on the structure of $[RhL_4Cl_2]X$ (L=Py, B and Picolines) complex salts. <i>Journal of Structural Chemistry</i> , 2015 , 56, 310-316	0.9	2
100	Synthesis, crystal structures, and characterization of double complex salts $[Au(en)_2][Rh(NO_2)_6] \cdot 2H_2O$ and $[Au(en)_2][Rh(NO_2)_6]$. <i>Journal of Molecular Structure</i> , 2015 , 1100, 174-179	3.4	9
99	Determination of the equilibrium miscibility gap in the PdRh alloy system using metal nanopowders obtained by decomposition of coordination compounds. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 1055-1060	5.7	19
98	Polynuclear Hydroxido-Bridged Complexes of Platinum(IV) with Terminal Nitrate Ligands. <i>Inorganic Chemistry</i> , 2015 , 54, 4644-51	5.1	21
97	Low-temperature CO oxidation by Pd/CeO ₂ catalysts synthesized using the coprecipitation method. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 91-103	21.8	116
96	Crystal structure of silver and barium nitropalladates. <i>Journal of Structural Chemistry</i> , 2015 , 56, 370-375	0.9	1
95	Low temperature synthesis of RuCu alloy nanoparticles with the compositions in the miscibility gap. <i>Journal of Solid State Chemistry</i> , 2014 , 212, 42-47	3.3	8
94	Some peculiarities of zirconium tungstate synthesis by thermal decomposition of hydrothermal precursors. <i>Thermochimica Acta</i> , 2014 , 597, 19-26	2.9	10
93	Silica, alumina and ceria supported AuCu nanoparticles prepared via the decomposition of $[Au(en)_2]_2[Cu(C_2O_4)_2] \cdot 3H_2O$ single-source precursor: Synthesis, characterization and catalytic performance in CO PROX. <i>Catalysis Today</i> , 2014 , 235, 103-111	5.3	26
92	Highly active PdCeO _x composite catalysts for low-temperature CO oxidation, prepared by plasma-arc synthesis. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 132-143	21.8	103
91	Speciation of platinum(IV) in nitric acid solutions. <i>Inorganic Chemistry</i> , 2013 , 52, 10532-41	5.1	30
90	Solid solutions of platinum(II) and palladium(II) oxalato-complex salt as precursors of nanoalloys. <i>Journal of Solid State Chemistry</i> , 2013 , 199, 71-77	3.3	14
89	On formation mechanism of PdIr bimetallic nanoparticles through thermal decomposition of $[Pd(NH_3)_4][IrCl_6]$. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	22
88	Vapour phase formic acid decomposition over PdAu/Al ₂ O ₃ catalysts: Effect of composition of metallic particles. <i>Journal of Catalysis</i> , 2013 , 299, 171-180	7.3	40

87	Co-Pt and Fe-Pt bimetallic nanoparticles in a carbon matrix are prepared by a plasma arc process. <i>Russian Journal of Inorganic Chemistry</i> , 2013 , 58, 78-83	1.5	2
86	[Pd(NH ₃) ₄]MoO ₄ as a precursor for PdMo-containing catalysts: Thermal behavior, X-ray analysis of the thermolysis products and related catalytic studies. <i>Thermochimica Acta</i> , 2013 , 566, 100-104	2.9	7
85	Magnetic anisotropy and order parameter in nanostructured CoPt particles. <i>Applied Physics Letters</i> , 2013 , 103, 152404	3.4	9
84	Hydrogen electrooxidation over palladium-gold alloy: Effect of pretreatment in ethylene on catalytic activity and CO tolerance. <i>Electrochimica Acta</i> , 2012 , 76, 344-353	6.7	18
83	Novel mixed-ligand palladium complexes [Pd ₂ (acac) ₃ NO ₃] and [Pd(acac)NO ₃] _n involving O,O- and π -bonded acetylacetonate linkers. <i>Polyhedron</i> , 2012 , 31, 272-277	2.7	7
82	On preparation of platinum(IV) nitrate solutions from hexahydroxoplatinates(IV). <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 995-1002	0.8	12
81	Investigation of thermal properties of double complex salts [M(NH ₃) ₅ Br][AuBr ₄] ₂ nH ₂ O, M = Rh, Ir. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 901-905	4.1	0
80	Bimetallic poly- and oligo-nuclear complexes based on a rhodium(III) metalloligand. <i>Journal of Molecular Structure</i> , 2012 , 1026, 8-16	3.4	4
79	Structure of complex salts [Co(NH ₃) ₆][Rh(NO ₂) ₆] and [Co(NH ₃) ₆][Rh(NO ₂) ₃ (NO ₂) _{1+x} (EDH) ₂][Rh(NO ₂) ₃](2-x)(H ₂ O), x = 0.17. <i>Journal of Structural Chemistry</i> , 2012 , 53, 503-508	0.9	1
78	Double complex salts [Pd(NH ₃) ₄] ₃ [Rh(NO ₂) ₆] ₂ , [Pd(NH ₃) ₄] ₃ [Rh(NO ₂) ₆] ₂ nH ₂ O as promising precursors to prepare Pd-Rh nanoalloys. <i>Journal of Structural Chemistry</i> , 2012 , 53, 527-533	0.9	10
77	Magnetic Properties and L10 Phase Formation in CoPt Nanoparticles. <i>Solid State Phenomena</i> , 2012 , 190, 159-162	0.4	8
76	Crystal structures of new double complex salts [M(NH ₃) ₅ Br][AuBr ₄] ₂ nH ₂ O, where M = Ir, Rh and complex salt [Ir(NH ₃) ₅ Br]Br ₂ . <i>Journal of Structural Chemistry</i> , 2011 , 52, 383-388	0.9	3
75	Two crystalline modifications of Pd ₂ (μ -acac) ₂ (acac) ₂ . <i>Journal of Structural Chemistry</i> , 2011 , 52, 544-549	0.9	1
74	Crystal structure of [Pd(NH ₃) ₄][Rh(NH ₃)(NO ₂) ₅]. <i>Journal of Structural Chemistry</i> , 2011 , 52, 621-624	0.9	6
73	Crystal structure of [Pd(NH ₃) ₄] ₃ [Ir(NO ₂) ₆] ₂ nH ₂ O. <i>Journal of Structural Chemistry</i> , 2011 , 52, 816-819	0.9	4
72	Synergetic effect in PdAu/CeO ₂ catalysts for the low-temperature oxidation of CO. <i>Journal of Structural Chemistry</i> , 2011 , 52, 123-136	0.9	8
71	Low-temperature oxidation of carbon monoxide on Pd(Pt)/CeO ₂ catalysts prepared from complex salts. <i>Kinetics and Catalysis</i> , 2011 , 52, 282-295	1.5	16
70	Complex rhodium(III) salts with isonicotinic acid: Synthesis and study. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011 , 37, 48-56	1.6	3

69	Proton mobility in complex $[\text{RhL}_4\text{Cl}_2]\text{HSO}_4 \cdot n\text{H}_2\text{SO}_4 \cdot m\text{H}_2\text{O}$ salts (L = Py, Picoline). <i>Russian Journal of Electrochemistry</i> , 2011 , 47, 631-636	1.2	1
68	Solid-phase room-temperature decomposition of a complex salt $\text{trans-}[\text{Rh}(\text{Pic})_4\text{Cl}_2]\text{MnO}_4$. <i>Polyhedron</i> , 2011 , 30, 1201-1206	2.7	5
67	Bimetallic single-source precursors $[\text{M}(\text{NH}_3)_4][\text{Co}(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_2] \cdot 2\text{H}_2\text{O}$ (M=Pd, Pt) for the one run synthesis of CoPd and CoPt magnetic nanoalloys. <i>Polyhedron</i> , 2011 , 30, 1305-1312	2.7	30
66	Bimetallic Rh-Co/ZrO ₂ catalysts for ethanol steam reforming into hydrogen-containing gas. <i>Kinetics and Catalysis</i> , 2010 , 51, 893-897	1.5	21
65	Double complex salts with $[\text{Ru}(\text{NH}_3)_5\text{Cl}]^{2+}$ cation and $[\text{OsCl}_6]^{2-}$ anion: Synthesis and properties. Crystal structure of $[\text{Ru}(\text{NH}_3)_5\text{Cl}]_2[\text{OsCl}_6]\text{Cl}_2$. <i>Russian Journal of Inorganic Chemistry</i> , 2010 , 55, 1347-1351	1.5	2
64	Complex salts $\text{trans-}[\text{Rh}(\text{Pic})_4\text{Cl}_2]\text{X}$ (X = $\text{Cl} \cdot \text{ReO}_4$, and ClO_4): Synthesis, crystal structures, and thermal properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2010 , 36, 347-352	1.6	5
63	Formation of nanosized bimetallic particles based on noble metals. <i>Catalysis in Industry</i> , 2010 , 2, 20-25	0.8	4
62	Structures Of Tetraammine Salts $[\text{Pt}(\text{NH}_3)_4](\text{NO}_3)_2$, $[\text{Pd}(\text{NH}_3)_4](\text{NO}_3)_2$, and $[\text{Pd}(\text{NH}_3)_4]\text{F}_2 \cdot \text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2010 , 51, 709-713	0.9	6
61	XAFS investigation of $[\text{Pd}(\text{NH}_3)_4][\text{AuCl}_4]_2$ and its thermolysis products. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 703-708	4.1	8
60	Photochemistry of PtBr_6^{2-} complex in aqueous solutions. Formation and decay of Br_2^{\cdot} radical anions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 214, 181-187	4.7	8
59	Magnetism of Nanoparticle's Ensemble of an Equiatomic Alloy $\text{Co}_{0.5}\text{Pt}_{0.5}$. <i>Vestnik Novosibirskogo Gosudarstvennogo Universiteta Seriya Fizika</i> , 2010 , 5, 56-60		
58	X-ray diffraction study of $[\text{Ru}(\text{NH}_3)_5\text{Cl}][\text{ReCl}_6]$ and $[\text{Ru}(\text{NH}_3)_5\text{Cl}]_2[\text{ReCl}_6]\text{Cl}_2$ and their thermolysis products. Crystal-chemical analysis of the Ru-Re system. <i>Journal of Structural Chemistry</i> , 2009 , 50, 120-126	0.9	6
57	Structure and thermal properties of $[\text{RhPy}_4\text{Cl}_2]\text{X}$ complex salts (X = $\text{Cl} \cdot \text{ReO}_4$, ClO_4). <i>Journal of Structural Chemistry</i> , 2009 , 50, 335-342	0.9	7
56	Crystal structure and properties of $[\text{M}(\text{NH}_3)_5\text{Cl}](\text{NO}_3)_2$, (M = Ir, Rh, Ru). <i>Journal of Structural Chemistry</i> , 2009 , 50, 479-484	0.9	2
55	EPR study of solid solutions of $[\text{Cr}(\text{NH}_3)_5\text{Cl}] \times [\text{Rh}(\text{NH}_3)_5\text{Cl}]_1 \times [\text{PdCl}_4] \cdot n\text{H}_2\text{O}$ and $[\text{Cr}(\text{NH}_3)_5\text{Cl}] \times [\text{Rh}(\text{NH}_3)_5\text{Cl}]_1 \times [\text{PtCl}_4]$ compounds. <i>Journal of Structural Chemistry</i> , 2009 , 50, 915-918	0.9	1
54	X-ray study of the thermolysis products of $(\text{NH}_4)_2[\text{OsCl}_6] \times [\text{PtCl}_6]_1 \cdot n$. <i>Journal of Structural Chemistry</i> , 2009 , 50, 1121-1125	0.9	7
53	A study of complexation between crystalline $\text{trans-}[\text{Pd}(\text{H}_2\text{O})_2(\text{NO}_3)_2]$ and acetylacetone. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009 , 35, 681-686	1.6	1
52	Preparation of the noble metals nanoalloys using single-source precursors. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009 , 65, s339-s339		3

51	Synthesis, crystal structures, and thermal properties of rhodium(iii) complexes with Epicoline and isonicotinic acid. <i>Russian Chemical Bulletin</i> , 2008 , 57, 1637-1643	1.7	8
50	Double complex salts of Pt and Pd amines with Zn and Ni oxalates [promising precursors of nanosized alloys. <i>Inorganica Chimica Acta</i> , 2008 , 361, 199-207	2.7	30
49	Photochemical stability of nitroxyl derivatives. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 60-67	1.5	1
48	[M(NH ₃) ₅ Cl][AuCl ₄]Cl · nH ₂ O (M = Rh, Ru, or Cr): Synthesis, crystal structure, and thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 1724-1732	1.5	6
47	Co-Pt bimetallic catalysts for the selective oxidation of carbon monoxide in hydrogen-containing mixtures. <i>Kinetics and Catalysis</i> , 2007 , 48, 276-281	1.5	24
46	Synthesis, crystal structure, and thermal properties of [Pd(NH ₃) ₄][AuCl ₄] ₂ . <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 371-377	1.5	16
45	[Zn(NH ₃) ₄][PtCl ₆] and [Cd(NH ₃) ₄][PtCl ₆] as precursors for intermetallic compounds PtZn and PtCd. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 500-504	1.5	4
44	Double complex salts [Pt(NH ₃) ₅ Cl][M(C ₂ O ₄) ₃] · nH ₂ O (M = Fe, Co, Cr): Synthesis and study. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 1487-1491	1.5	7
43	Complex salts (DienH ₃)[IrCl ₆](NO ₃), (DienH ₃)[PtCl ₆](NO ₃), and (DienH ₃)[IrCl ₆]0.5[PtCl ₆]0.5(NO ₃): Synthesis, structure, and thermal properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2007 , 33, 45-52	1.6	5
42	Properties of nitric acid palladium solutions with a high metal concentration. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 695-704	0.8	7
41	Photochemistry of PtBr ₆ ²⁻ in aqueous solution. <i>Russian Chemical Bulletin</i> , 2007 , 56, 2357-2363	1.7	16
40	Synthesis, structure, and properties of the thermolysis products of [Os(NH ₃) ₅ Cl][ReCl ₆]. <i>Journal of Structural Chemistry</i> , 2007 , 48, 379-382	0.9	5
39	Investigation of pentaamminechloroplatinum(IV) perrhenate dihydrate. <i>Journal of Structural Chemistry</i> , 2007 , 48, 578-582	0.9	4
38	Complex salts [Pd(NH ₃) ₄](ReO ₄) ₂ and [Pd(NH ₃) ₄](MnO ₄) ₂ : Synthesis, structure, and thermal properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2006 , 32, 374-379	1.6	9
37	Double complex salts [M(NH ₃) ₅ Cl][M'Br ₄] (M = Rh, Ir, Co, Cr, Ru; M' = Pt, Pd): Synthesis, x-ray diffraction characterization, and thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 202-209	1.5	11
36	Synthesis and characterization of [Co(NH ₃) ₅ NO ₂][M(NO ₂) ₄] (M = Pt, Pd) compounds and their thermolysis products. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 521-530	1.5	1
35	Synthesis, structure, and thermal transformations of double complex salts [Au(C ₄ H ₁₃ N ₃)Cl][MCl ₆] · nH ₂ O (M = Ir, Pt; n = 0-2). <i>Russian Chemical Bulletin</i> , 2006 , 55, 429-434	1.7	6
34	High-temperature X-ray diffraction study of thermolysis of the double complex salt [Rh(NH ₃) ₅ Cl][PtCl ₄]. <i>Russian Chemical Bulletin</i> , 2006 , 55, 1109-1113	1.7	4

33	Metal solid solutions obtained by thermolysis of Pt and Re salts. Crystal structure of $[\text{Pt}(\text{NH}_3)_4](\text{ReO}_4)_2$. <i>Journal of Structural Chemistry</i> , 2006 , 47, 489-498	0.9	16
32	Re-determination of the crystal structure and investigation of thermal decomposition of the Chugaev's salt, $[\text{Pt}(\text{NH}_3)_5\text{Cl}]\text{Cl}_3\cdot\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2006 , 47, 735-739	0.9	4
31	Synthesis of $[\text{M}(\text{NH}_3)_5\text{Cl}](\text{ReO}_4)_2$ (M = Cr, Co, Ru, Rh, Ir) and investigation of thermolysis products. Crystal structure of $[\text{Rh}(\text{NH}_3)_5\text{Cl}](\text{ReO}_4)_2$. <i>Journal of Structural Chemistry</i> , 2006 , 47, 1103-1110	0.9	12
30	Synthesis, crystal structure, and properties of $[\text{Rh}(\text{NH}_3)_5\text{Cl}][\text{ReBr}_6]$. <i>Journal of Structural Chemistry</i> , 2005 , 46, 109-115	0.9	11
29	Phase transformations of the $\text{Re}_{0.3}\text{Ir}_{0.7}$ solid solution. <i>Journal of Structural Chemistry</i> , 2005 , 46, 474-478	0.9	4
28	Novel crystal modification of fac-triamminetrinitrorhodium(III) $[\text{fac-}[\text{Rh}(\text{NO}_2)_3(\text{NH}_3)_3]$. <i>Journal of Structural Chemistry</i> , 2005 , 46, 719-724	0.9	3
27	Synthesis and crystal structure of $\text{EnH}_2[\text{IrCl}_6]$. <i>Journal of Structural Chemistry</i> , 2005 , 46, 725-731	0.9	3
26	Crystal structure of $[\text{Ir}(\text{NH}_3)_5\text{Cl}]_2[\text{OsCl}_6]\text{Cl}_2$. Crystal-chemical analysis of the iridium-osmium system. <i>Journal of Structural Chemistry</i> , 2005 , 46, 1052-1059	0.9	8
25	Synthesis and crystal structure of $[\text{Cr}(\text{NH}_3)_5\text{Cl}][\text{PdBr}_4]$. <i>Journal of Structural Chemistry</i> , 2005 , 46, 1091-1094	0.9	4
24	Synthesis of nonequilibrium $\text{Ir}_x\text{Re}_{1-x}$ solid solutions. Crystal structure of $[\text{Ir}(\text{NH}_3)_5\text{Cl}]_2[\text{ReCl}_6]\text{Cl}_2$. <i>Journal of Structural Chemistry</i> , 2004 , 45, 482-489	0.9	6
23	Synthesis and crystal structure of $[\text{Cr}(\text{NH}_3)_5\text{Cl}][\text{PdCl}_4]\cdot\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2004 , 45, 523-526	0.9	3
22	Synthesis and structure of isomeric $(\text{H})\text{Os}_3(\text{O})_2(\text{O},\text{N})_6$ -clusters of dimethyl-2-methylene-bicyclo[3.1.1]heptan-3-one oxime $(\text{CO})_{10}$. Crystal structure of one of the isomers. <i>Journal of Structural Chemistry</i> , 2004 , 45, 663-670	0.9	
21	Photolysis of $[\text{PtBr}_6]^{2-}$ complex in frozen methanol matrix. <i>Russian Chemical Bulletin</i> , 2003 , 52, 1305-1311	1.7	6
20	Crystal Structure of $[\text{M}(\text{NH}_3)_5\text{Cl}]_2[\text{IrCl}_6]\text{Cl}_2$ (M = Co, Rh, Ir) Binary Complex Salts. <i>Journal of Structural Chemistry</i> , 2003 , 44, 60-67	0.9	11
19	Synthesis and Structure of Binary Complexes of Platinum Group Metals [Precursors of Metallic Materials]. <i>Journal of Structural Chemistry</i> , 2003 , 44, 46-59	0.9	45
18	$[\text{Pd}(\text{NH}_3)_4][\text{Ir}_{0.5}\text{Os}_{0.5}\text{Cl}_6]$ Solid Solution: Synthesis and Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2003 , 29, 219-221	1.6	7
17	Palladium Analog of Gros Salt: A Simple Method of Preparation and Some of Its Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2002 , 28, 146-148	1.6	
16	Powder X-ray diffraction study of the double complexes $[\text{M}(\text{NH}_3)_5\text{Cl}][\text{M}''\text{Cl}_4]$ as precursors of metal powders (M = Ir, Rh, Co; M'' = Pt, Pd). <i>Russian Chemical Bulletin</i> , 2002 , 51, 41-45	1.7	10

15	Synthesis and X-Ray Diffraction Study of $[M(NH_3)_4][OsBr_6]$ (M = Pd, Pt). <i>Journal of Structural Chemistry</i> , 2002 , 43, 527-529	0.9	2
14	Syntheses of $[Rh(NH_3)_5Cl][MCl_6]$ (M = Re, Os, Ir) and Investigation of Their Thermolysis Products. Crystal Structure of $[Rh(NH_3)_5Cl][OsCl_6]$. <i>Journal of Structural Chemistry</i> , 2002 , 43, 488-494	0.9	22
13	Synthesis and Study of Potassium Hexabromoiridate(IV). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2002 , 28, 864-866	1.6	2
12	Synthesis, Structure, and Thermal Decomposition of Chloropentamminerhodium(III) Hexabromoplatinate(IV). <i>Journal of Structural Chemistry</i> , 2002 , 43, 649-655	0.9	8
11	Binary Complexes $[M(NH_3)_5Cl][PdCl_4] \cdot nH_2O$ (M = Rh, Co): Crystal Structure of $[Rh(NH_3)_5Cl][PdCl_4] \cdot nH_2O$. <i>Journal of Structural Chemistry</i> , 2002 , 43, 643-648	0.9	4
10	Synthesis and Crystal Structure of $[Rh(NH_3)_5Cl]_2[PtCl_6]Cl_2$. <i>Journal of Structural Chemistry</i> , 2002 , 43, 697-699	0.9	2
9	$[Pd(NH_3)_4][IrBr_6]$ Complex: Synthesis, X-ray Powder Diffraction Analysis, and Thermal Decomposition. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001 , 27, 502-504	1.6	1
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