

Pavel E Plyusnin

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avg, IF

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#	Paper	IF	Citations
173	NiMo and CoMo alloy nanoparticles for catalytic chemical vapor deposition synthesis of carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2015 , 621, 351-356	5.7	58
172	Stabilization of active sites in alloyed PdRh catalysts on γ -Al ₂ O ₃ support. <i>Catalysis Today</i> , 2014 , 238, 80-86	5.3	43
171	One-pot reductive amination of aldehydes with nitroarenes over an Au/Al ₂ O ₃ catalyst in a continuous flow reactor. <i>Catalysis Science and Technology</i> , 2015 , 5, 4741-4745	5.5	41
170	Vapour phase formic acid decomposition over PdAu/ γ -Al ₂ O ₃ catalysts: Effect of composition of metallic particles. <i>Journal of Catalysis</i> , 2013 , 299, 171-180	7.3	40
169	Bromine-rich complexes of bismuth: experimental and theoretical studies. <i>Dalton Transactions</i> , 2018 , 47, 2683-2689	4.3	38
168	Bromo- and Polybromoantimonates(V): Structural and Theoretical Studies of Hybrid Halogen-Rich Halometalate Frameworks. <i>Chemistry - A European Journal</i> , 2018 , 24, 10165	4.8	36
167	Effect of metal-metal and metal-support interaction on activity and stability of Pd-Rh/alumina in CO oxidation. <i>Catalysis Today</i> , 2017 , 293-294, 73-81	5.3	35
166	In situ synchrotron study of Au-Pd nanoporous alloy formation by single-source precursor thermolysis. <i>Nanotechnology</i> , 2012 , 23, 405302	3.4	34
165	Synthesis, Structural, Thermal, and Electronic Properties of Palmierite-Related Double Molybdate $\text{ECsPb}(\text{MoO})$. <i>Inorganic Chemistry</i> , 2017 , 56, 3276-3286	5.1	30
164	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
163	Trapping molecular bromine: a one-dimensional bromobismuthate complex with Br ₂ as a linker. <i>Dalton Transactions</i> , 2016 , 45, 3691-3	4.3	27
162	Synthesis of nitrogen-containing porous carbon using calcium oxide nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2607-2612	1.3	27
161	Silica, alumina and ceria supported AuCu nanoparticles prepared via the decomposition of $[\text{Au}(\text{en})_2]_2[\text{Cu}(\text{C}_2\text{O}_4)_2] \cdot 3\text{H}_2\text{O}$ single-source precursor: Synthesis, characterization and catalytic performance in CO PROX. <i>Catalysis Today</i> , 2014 , 235, 103-111	5.3	26
160	Catalytic conversion of 1,2-dichloroethane over Ni-Pd system into filamentous carbon material. <i>Catalysis Today</i> , 2017 , 293-294, 23-32	5.3	25
159	Synthesis and Concentration of Organosols of Silver Nanoparticles Stabilized by AOT: Emulsion Versus Microemulsion. <i>Langmuir</i> , 2018 , 34, 2815-2822	4	25
158	Sky-blue thermally activated delayed fluorescence (TADF) based on Ag(I) complexes: strong solvation-induced emission enhancement. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3168-3176	6.8	23
157	On formation mechanism of PdIr bimetallic nanoparticles through thermal decomposition of $[\text{Pd}(\text{NH}_3)_4][\text{IrCl}_6]$. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	22

156	Halogen bonding-assisted assembly of bromoantimonate(V) and polybromide-bromoantimonate-based frameworks. <i>CrystEngComm</i> , 2019 , 21, 850-856	3.3	21
155	One-step chemical vapor deposition synthesis and supercapacitor performance of nitrogen-doped porous carbon-carbon nanotube hybrids. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 2669-2679	3	21
154	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
153	Determination of the equilibrium miscibility gap in the Pd/Bi 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
152	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
151	Binuclear and polymeric bromobismuthate complexes: Crystal structures and thermal stability. <i>Polyhedron</i> , 2019 , 159, 318-322	2.7	18
150	1D and 2D Polybromotellurates(IV): Structural Studies and Thermal Stability. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3264-3269	2.3	17
149	Effect of Alumina Phase Transformation on Stability of Low-Loaded Pd-Rh Catalysts for CO Oxidation. <i>Topics in Catalysis</i> , 2017 , 60, 152-161	2.3	17
148	Promoting Effect of Co, Cu, Cr and Fe on Activity of Ni-Based Alloys in Catalytic Processing of Chlorinated Hydrocarbons. <i>Topics in Catalysis</i> , 2017 , 60, 171-177	2.3	17
147	Effect of metal ratio in alumina-supported Pd-Rh nanoalloys on its performance in three way catalysis. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 155-162	5.7	16
146	Formation of Active Sites of Carbon Nanofibers Growth in Self-Organizing Ni/Bi Catalyst during Hydrogen-Assisted Decomposition of 1,2-Dichloroethane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 685-694	3.9	16
145	Ni-Cu and Ni-Co alloys: Synthesis, structure, and catalytic activity for the decomposition of chlorinated hydrocarbons. <i>Inorganic Materials</i> , 2014 , 50, 566-571	0.9	16
144	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
143	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
142	Synthesis of unsaturated secondary amines by direct reductive amination of aliphatic aldehydes with nitroarenes over Au/Al ₂ O ₃ catalyst in continuous flow mode. <i>RSC Advances</i> , 2016 , 6, 88366-88372	3.7	16
141	Peculiarity of Rh bulk diffusion in La-doped alumina and its impact on CO oxidation over Rh/Al ₂ O ₃ . <i>Catalysis Communications</i> , 2017 , 97, 18-22	3.2	15
140	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
139	Copper(II)berium(III) 15-metallacrown-5 based on glycinehydroxamic acid as a new precursor for heterobimetallic composite materials on carbon nanotubes. <i>Polyhedron</i> , 2016 , 114, 96-100	2.7	15

- 138 Experimental redetermination of the CuPd phase diagram. *Journal of Alloys and Compounds*, **2019**, 777, 204-212 5.7 15
- 137 Luminescent coordination polymers based on Ca²⁺ and octahedral cluster anions $[[M_6Cl_8]Cl_6]^{2-}$ (M = Mo, W): synthesis and thermal stability studies. *New Journal of Chemistry*, **2017**, 41, 14855-14861 3.6 14
- 136 Nitrogen inserting in fluorinated graphene via annealing of acetonitrile intercalated graphite fluoride. *Physica Status Solidi (B): Basic Research*, **2014**, 251, 2530-2535 1.3 14
- 135 Solid solutions of platinum(II) and palladium(II) oxalato-complex salt as precursors of nanoalloys. *Journal of Solid State Chemistry*, **2013**, 199, 71-77 3.3 14
- 134 Facile Substitution of Bridging SO Ligands in Re Biocahedral Cluster Complexes. *Inorganic Chemistry*, **2017**, 56, 12389-12400 5.1 13
- 133 Synthesis of bimetallic AuPt/CeO₂ catalysts and their comparative study in CO oxidation under different reaction conditions. *Reaction Kinetics, Mechanisms and Catalysis*, **2019**, 127, 69-83 1.6 13
- 132 Study on thermal decomposition of double complex salt $[Pd(NH_3)_4][PtCl_6]$. *Journal of Thermal Analysis and Calorimetry*, **2016**, 123, 1183-1195 4.1 13
- 131 Effect of in-plane size of MoS₂ nanoparticles grown over multilayer graphene on the electrochemical performance of anodes in Li-ion batteries. *Electrochimica Acta*, **2018**, 283, 45-53 6.7 13
- 130 Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. *Journal of Materials Science*, **2018**, 53, 13053-13066 4.3 13
- 129 One-Dimensional Diiodine-Iodobismuthate(III) Hybrids Cat $[[Bi](I)]$: Syntheses, Stability, and Optical Properties. *Inorganic Chemistry*, **2020**, 59, 17320-17325 5.1 13
- 128 Preparation of highly dispersed Ni_{1-x}Pd_x alloys for the decomposition of chlorinated hydrocarbons. *Journal of Alloys and Compounds*, **2019**, 782, 716-722 5.7 13
- 127 Synthesis, structure, thermal, and photoluminescent properties of europium(III) and terbium(III) dipivaloylmethanates with N-heterocyclic compounds. *Russian Journal of General Chemistry*, **2015**, 85, 135-143 0.7 12
- 126 The peculiarities of AuPt alloy nanoparticles formation during the decomposition of double complex salts. *Journal of Alloys and Compounds*, **2018**, 740, 935-940 5.7 12
- 125 Synthesis of the nanostructured luminophor Y₂O₃-Eu-Bi by the sol-gel method. *Russian Journal of General Chemistry*, **2013**, 83, 1-9 0.7 12
- 124 Volatile heterometallics: structural diversity of Pd-Pb β -diketonates and correlation with thermal properties. *Dalton Transactions*, **2017**, 46, 12245-12256 4.3 12
- 123 Exothermal effects in the thermal decomposition of $[IrCl_6]^{2-}$ -containing salts with $[M(NH_3)_5Cl]^{2+}$ cations: $[M(NH_3)_5Cl][IrCl_6]$ (M = Co, Cr, Ru, Rh, Ir). *New Journal of Chemistry*, **2018**, 42, 1762-1770 3.6 12
- 122 High-temperature oxidation of europium (II) sulfide. *Journal of Industrial and Engineering Chemistry*, **2019**, 79, 62-70 6.3 11
- 121 two crystalline modifications of $[Au(dien)Cl](ReO_4)_2$: synthesis, structure, and thermal properties. *Journal of Structural Chemistry*, **2010**, 51, 526-533 0.9 11

120	Some peculiarities of zirconium tungstate synthesis by thermal decomposition of hydrothermal precursors. <i>Thermochimica Acta</i> , 2014 , 597, 19-26	2.9	10
119	Double complex salts $[Pd(NH_3)_4]_3[Rh(NO_2)_6]_2$, $[Pd(NH_3)_4]_3[Rh(NO_2)_6]_2 \cdot 2H_2O$ as promising precursors to prepare Pd-Rh nanoalloys. <i>Journal of Structural Chemistry</i> , 2012 , 53, 527-533	0.9	10
118	Heterometallic complexes of Co^{2+} , Ni^{2+} , and Zn^{2+} with the $[Ru(NO)(NO_2)_4OH]^{2-}$ anion and pyridine: Synthesis, crystal structure, and thermolysis. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009 , 35, 57-64	1.6	10
117	Synthesis and crystal structure of $[Co(NH_3)_6][AuX_4]X_2$ ($X = Cl, Br$). <i>Journal of Structural Chemistry</i> , 2007 , 48, 275-281	0.9	10
116	Nanoscale coupling of MoS_2 and graphene via rapid thermal decomposition of ammonium tetrathiomolybdate and graphite oxide for boosting capacity of Li-ion batteries. <i>Carbon</i> , 2021 , 173, 194-204	10.4	10
115	Halobismuthates with 3-iodopyridinium cations: Halogen bonding-assisted crystal packing. <i>Polyhedron</i> , 2019 , 166, 137-140	2.7	9
114	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
113	Synthesis of Octafluorobiphenyl-4,4'-dicarboxylic acid and photoluminescent compounds based thereon. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 1617-1622	0.7	9
112	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
111	Thermal properties of some organosilicon precursors for chemical vapor deposition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 609-616	4.1	9
110	Synthesis of Filamentary Carbon Material on a Self-Organizing NiPt Catalyst in the Course of 1,2-Dichloroethane Decomposition. <i>Kinetics and Catalysis</i> , 2018 , 59, 363-371	1.5	9
109	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
108	Purification of gasoline exhaust gases using bimetallic PdRh/Al ₂ O ₃ catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 127, 137-148	1.6	8
107	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
106	Carbon Nanotube Synthesis Using Fe-Mo/MgO Catalyst with Different Ratios of CH ₄ and H ₂ Gases. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700274	1.3	8
105	Structure and properties of tripyridine nitrosocomplexes of ruthenium: mer-[Ru(NO)Py ₃ Cl(OH)]Cl \cdot 5H ₂ O and mer-[Ru(NO)Py ₃ Cl(H ₂ O)]Cl \cdot 2H ₂ O \cdot 5HCl. <i>Journal of Structural Chemistry</i> , 2014 , 55, 682-690	0.9	8
104	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
103	XAFS investigation of $[Pd(NH_3)_4][AuCl_4]_2$ and its thermolysis products. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 703-708	4.1	8

102	Interaction of Pd and Rh with ZrCeYLaO ₂ support during thermal aging and its effect on the CO oxidation activity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 129, 117-133	1.6	8
101	Complexes of non-lacunary Keggin- and Dawson-type polyoxometalates with Pb(II): formation of 1D coordination polymers with different bonding modes. <i>New Journal of Chemistry</i> , 2016 , 40, 9981-9985 ^{3,6}	3.6	8
100	Optical Spectroscopy Methods in the Estimation of the Thermal Stability of Bimetallic PdRh/Al ₂ O ₃ Three-Way Catalysts. <i>Topics in Catalysis</i> , 2019 , 62, 296-304	2.3	8
99	Prospect of Using Nanoalloys of Partly Miscible Rhodium and Palladium in Three-Way Catalysis. <i>Topics in Catalysis</i> , 2019 , 62, 305-314	2.3	8
98	Light-Induced Sulfur Transport inside Single-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
97	Antimony(V) Bromide and Polybromide Complexes with N-alkylated Quinolinium or Isoquinolinium Cations: Substituent-dependent Assembly of Polymeric Frameworks. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 1141-1145	1.3	7
96	Structure, synthesis, and thermal properties of trans-[Ru(NO)(NH ₃) ₄ (SO ₄)]NO ₃ ·H ₂ O. <i>Journal of Structural Chemistry</i> , 2014 , 55, 311-318	0.9	7
95	Features of the sol-gel process of formation of nanostructured gadolinium oxide. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1808-1814	0.7	7
94	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
93	Preparation and Thermal Decomposition of Ln(III)-Cu(II) Polynuclear Metallamacrocyclic Compounds Based on Glycinehydroxamic Acid. <i>Macroheterocycles</i> , 2016 , 9, 263-267	2.2	7
92	Emulsion Synthesis and Electrophoretic Concentration of Gold Nanoparticles in Sodium Bis(2-Ethylhexyl) Sulfosuccinate Solution in n-Decane. <i>Colloid Journal</i> , 2019 , 81, 478-486	1.1	6
91	Luminescent Zn(ii) and Cd(ii) complexes with chiral 2,2'-bipyridine ligands bearing natural monoterpene groups: synthesis, speciation in solution and photophysics. <i>Dalton Transactions</i> , 2020 , 49, 7552-7563	4.3	6
90	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
89	Thermal decomposition of [Co(NH ₃) ₆][Fe(C ₂ O ₄) ₃]·H ₂ O in inert and reductive atmospheres. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1963-1966	1.7	6
88	Chalcogen arsenide clusters of iron with a functional carboxyl group: Synthesis, structures, and thermolysis. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2012 , 38, 662-670	1.6	6
87	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
86	Structures Of Tetraammine Salts [Pt(NH ₃) ₄](NO ₃) ₂ , [Pd(NH ₃) ₄](NO ₃) ₂ , and [Pd(NH ₃) ₄]F ₂ ·H ₂ O. <i>Journal of Structural Chemistry</i> , 2010 , 51, 709-713	0.9	6
85	[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

84	Synthesis, structure, and thermal transformations of double complex salts $[\text{Au}(\text{C}_4\text{H}_{13}\text{N}_3)\text{Cl}][\text{MCl}_6] \cdot n\text{H}_2\text{O}$ (M = Ir, Pt; n = 0). <i>Russian Chemical Bulletin</i> , 2006 , 55, 429-434	1.7	6
83	Double complex salts $[\text{PdL}_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$ (L = NH_3 , Py) synthesis, structure and preparation of bimetallic metastable solid solution $\text{Pd}_{0.5}\text{Ru}_{0.5}$. <i>Polyhedron</i> , 2019 , 159, 217-225	2.7	6
82	Percolative Composites with Carbon Nanohorns: Low-Frequency and Ultra-High Frequency Response. <i>Materials</i> , 2019 , 12,	3.5	5
81	Preparation and properties of gold nanoparticles stabilized by abietic acid. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 244-251	1.5	5
80	Copper(II) and silver(I) complexes with chiral N-substituted aminoacetic acid derivatives containing the natural monoterpenes (+)-3-carene and (1R)-pinene: Synthesis and structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015 , 41, 658-663	1.6	5
79	Modification of structure and conductivity of nanohorns by toluene addition in carbon arc. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020 , 28, 342-347	1.8	5
78	Pressure-Assisted Interface Engineering in MoS_2 /Holey Graphene Hybrids for Improved Performance in Li-ion Batteries. <i>Energy Technology</i> , 2019 , 7, 1900659	3.5	5
77	Ribbed-monofunctionalized iron(II) clathrochelate with tert-butyl sulfide substituents: Synthesis, structure, and thermochemical transformations. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 1162-1167	1.5	5
76	Complex salts $\text{trans}[\text{Rh}(\text{Pic})_4\text{Cl}_2]\text{X}$ (X = ClO_4^- , and ClO_3^-): Synthesis, crystal structures, and thermal properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2010 , 36, 347-352	1.6	5
75	Structure and Thermal Properties of $[\text{Rh}(\text{NH}_3)_5\text{Cl}](\text{WO}_4)_x(\text{MoO}_4)_{1-x}$ (x = 0, 0.5, 1). <i>Journal of Structural Chemistry</i> , 2010 , 51, 773-777	0.9	5
74	Effect of La Addition on the Performance of Three-Way Catalysts Containing Palladium and Rhodium. <i>Topics in Catalysis</i> , 2020 , 63, 152-165	2.3	5
73	The Attractiveness of the Ternary Rh-Pd-Pt Alloys for CO Oxidation Process. <i>Processes</i> , 2020 , 8, 928	2.9	5
72	In situ EPR study of chemoselective hydrogenation of nitroarenes on Au/ Al_2O_3 catalyst. <i>Mendeleev Communications</i> , 2018 , 28, 536-537	1.9	5
71	Heterometallic complexes $[\text{RuNO}(\text{NO}_2)_4\text{OH}(\text{H}_2\text{O})_3]$ (M = Co, Ni) as the precursors for thermal preparation of heterometallic systems. <i>Inorganica Chimica Acta</i> , 2017 , 457, 145-149	2.7	4
70	Mononuclear Sb(V) Bromide Complexes with 3-Halopyridinium Cations: Synthesis, Structures, and Thermal Stability. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019 , 45, 128-132	1.6	4
69	Synthesis and Study of Bimetallic Pd-Rh System Supported on Zirconia-Doped Alumina as a Component of Three-way Catalysts. <i>Emission Control Science and Technology</i> , 2019 , 5, 363-377	2	4
68	Two crystal modifications of $[\text{PdEn}(\text{NO}_2)_2]$. Synthesis, structure, and thermal properties. <i>Journal of Structural Chemistry</i> , 2014 , 55, 299-305	0.9	4
67	Synthesis and properties of ZnII and CdII complexes with chiral N-derivatives of aminoacetic acid based on natural monoterpenes (+)-3-carene and (1R)-pinene. Crystal structure of coordination polymer $[\text{Zn}(\text{HL})\text{Cl}(\text{H}_2\text{O})_n]$. <i>Russian Chemical Bulletin</i> , 2011 , 60, 2555-2563	1.7	4

66	Structure and thermal properties of $[\text{Ir}(\text{NH}_3)_5\text{Cl}] \times [\text{Rh}(\text{NH}_3)_5\text{Cl}]_x \text{MO}_4$ ($x = 0.5, 1$; $M = \text{Mo}, \text{W}$). <i>Journal of Structural Chemistry</i> , 2011 , 52, 125-132	0.9	4
65	Structure and thermal properties of double complex salts $[\text{RuNO}(\text{NH}_3)_4(\text{H}_2\text{O})]_2[\text{MCl}_4]_2 \cdot 2\text{H}_2\text{O}$, $M = \text{Pt}, \text{Pd}$. <i>Journal of Structural Chemistry</i> , 2011 , 52, 140-150	0.9	4
64	Crystal structure of $[\text{Pd}(\text{NH}_3)_4]_3[\text{Ir}(\text{NO}_2)_6]_2 \cdot 2\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2011 , 52, 816-819	0.9	4
63	Crystal structure and thermal properties of $[\text{Au}(\text{en})_2]_2[\text{Cu}(\text{C}_2\text{O}_4)_2]_3 \cdot 3\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2011 , 52, 924-929	0.9	4
62	Synthesis of nanosize Co-Rh systems and study of their properties. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1677-1683	0.8	4
61	Five new Sb(V) bromide complexes and their polybromide derivatives with pyridinium-type cations: Structures, thermal stability and features of halogen-halogen contacts in solid state. <i>Inorganica Chimica Acta</i> , 2020 , 502, 119278	2.7	4
60	Synthesis, structure and properties of $(\text{NH}_4)_2[\text{RuNO}(\text{NO}_2)_4\text{OH}]$ and $\text{NH}_4[\text{RuNO}(\text{L})(\text{NO}_2)_3\text{OH}]$ ($\text{L} = \text{NH}_3, \text{Py}$). <i>Journal of Molecular Structure</i> , 2019 , 1176, 402-407	3.4	4
59	Two alternative approaches to modification of a cage complex: nucleophilic substitution and electrophilic addition for the synthesis of an iron(II) clathrochelate with an annulated imidazole fragment. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 3894-3902	1.6	3
58	Bimetallic Au-Cu/CeO ₂ catalyst: Synthesis, structure, and catalytic properties in the CO preferential oxidation. <i>Catalysis in Industry</i> , 2014 , 6, 36-43	0.8	3
57	Hydrophilic gold nanoparticles stabilized with tris(2-aminoethyl)amine: Preparation and characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 441, 496-503	5.1	3
56	Crystal structures of new double complex salts $[\text{M}(\text{NH}_3)_5\text{Br}][\text{AuBr}_4]_2 \cdot 2\text{H}_2\text{O}$, where $M = \text{Ir}, \text{Rh}$ and complex salt $[\text{Ir}(\text{NH}_3)_5\text{Br}]\text{Br}_2$. <i>Journal of Structural Chemistry</i> , 2011 , 52, 383-388	0.9	3
55	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
54	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
53	Thermophysical properties of lithium thiogallate that are important for optical applications.. <i>RSC Advances</i> , 2021 , 11, 39177-39187	3.7	3
52	Crystal structure and thermal properties of $\text{K}_3[\text{Ir}(\text{C}_2\text{O}_4)_3] \cdot 4.25\text{H}_2\text{O}$ and $\text{K}_3[\text{Ir}(\text{C}_2\text{O}_4)_3] \cdot 0.5\text{KCl} \cdot 4\text{H}_2\text{O}$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1541-1548	4.1	3
51	Experimental Study of Ignition of Mechanically Activated Coals. <i>Combustion, Explosion and Shock Waves</i> , 2019 , 55, 562-565	1	3
50	X-ray diffraction reinvestigation of the Ni-Pt phase diagram. <i>Journal of Alloys and Compounds</i> , 2022 , 891, 161974	5.7	3
49	Synthesis, thermal properties and photoisomerization of $\text{trans}-[\text{Ru}(\text{NO})\text{Py}_2\text{Cl}_2(\text{H}_2\text{O})]\text{H}_2\text{PO}_4 \cdot \text{H}_2\text{O}$. <i>Journal of Chemical Sciences</i> , 2017 , 129, 441-448	1.8	2

48	Luminescent Complexes of Zn(II) and Cd(II) with Chiral Ligands Containing 1,10-Phenanthroline and Natural Monoterpenoids (+)-3-Carene or (+)-Limonene Fragments. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 87-95	0.7	2
47	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
46	Double complex salts containing [Pt(NO ₃) ₆] ²⁻ anion and Rh(III) complex cations: Synthesis, structure and utilisation for preparing (RhPt)/CeO ₂ catalysts. <i>Journal of Molecular Structure</i> , 2020 , 1211, 128108	3.4	2
45	Separating excess surfactant from silver and gold nanoparticles in micellar concentrates by means of nonaqueous electrophoresis. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 1493-1501	0.7	2
44	Double complex salts [Au(En) ₂][Ir(NO ₂) ₆]·nH ₂ O (n = 0, 2), [Au(En) ₂][Ir(NO ₂) ₆]·x[Rh(NO ₂) ₆]·y·z nH ₂ 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
43	Crystal structure and properties of [M(NH ₃) ₅ Cl](NO ₃) ₂ , (M = Ir, Rh, Ru). <i>Journal of Structural Chemistry</i> , 2009 , 50, 479-484	0.9	2
42	Physicochemical study of rhodium sulfite. <i>Journal of Structural Chemistry</i> , 2007 , 48, 1046-1052	0.9	2
41	Preparation of porous Co-Pt alloys for catalytic synthesis of carbon nanofibers. <i>Nanotechnology</i> , 2020 , 31, 495604	3.4	2
40	Hybrid chlorobismuthate(III) wrapping Br ₂ unit: Crystal structure and theoretical investigation of non-covalent Cl ⁻ /Br ⁻ interactions in (1-MePy) ₃ {[Bi ₂ Cl ₉](Br ₂)}. <i>Inorganica Chimica Acta</i> , 2020 , 513, 119932	2.7	2
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38	CuO-In ₂ O ₃ Catalysts Supported on Halloysite Nanotubes for CO ₂ Hydrogenation to Dimethyl Ether. <i>Catalysts</i> , 2021 , 11, 1151	4	2
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36	New Trends in Automotive Exhaust Gas Purification Materials: Improvement of the Support against Stability of the Active Components. <i>Materials Science Forum</i> , 2019 , 950, 185-189	0.4	1
35	Gold nanoparticles stabilized by isonicotinic acid: Synthesis in water, dimethylformamide, dimethyl sulfoxide and characterization. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 362-371	1.5	1
34	Diffusion behavior of copper atoms under Cu(II) reduction in Cucurbit[8]uril cavity at elevated temperatures. <i>Journal of Solid State Chemistry</i> , 2015 , 221, 202-207	3.3	1
33	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
32	No Catalyst Added Hydrogen Peroxide Oxidation of Dextran: An Environmentally Friendly Route to Multifunctional Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5371-5379	8.3	1
31	Use of Gold Nanoparticles Protected with Isonicotinic Acid and Tris(2-Aminoethyl)amine for Manufacturing Colloidal Films and Composites with Carbon and Oxide Materials. <i>Russian Journal of Inorganic Chemistry</i> , 2018 , 63, 229-238	1.5	1

30	The thermal behavior of double complex compounds with the cation $[\text{Cr}(\text{ur})_6]^{3+}$ in a reducing atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 253-260	4.1	1
29	Obtaining and Characterizing Silver-Boritan Monooleate Nanocomposite and Conducting Films Based on It. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 717-722	0.7	1
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15	Dichlorine-containing chlorobismuthate(III) supramolecular hybrid: structure and experimental studies of stability. <i>CrystEngComm</i> ,	3.3	1
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