Pavel E Plyusnin

List of Publications by Year in Descending Order

173 papers	1,586 citations	20 h-index	28 g-index
179 ext. papers	1,956 ext. citations	2.6 avg, IF	4.79 L-index

#	Paper	IF	Citations
173	Catalytic Properties of Bulk (1−x)Ni–xW Alloys in the Decomposition of 1,2-Dichloroethane with the Production of Carbon Nanomaterials. *Kinetics and Catalysis*, **2022**, 63, 75-86	1.5	1
172	X-ray diffraction reinvestigation of the Ni-Pt phase diagram. *Journal of Alloys and Compounds*, **2022**, 891, 161974	5.7	3
171	Synthesis and investigation of the thermal properties of [Co(NH3)6][Co(C2O4)3]·3H2O and [Ir(NH3)6][Ir(C2O4)3]. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2022**, 78, 537-545	1.8	
170	Bismuth(III) Iodide Complexes with 1-Ethyl-4-Dimethylaminopyridinium: Structure, Thermal Stability, and Optical Properties. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 1482-1487	1.5	1
169	Zinc Peroxide Nanoparticles: Micellar Synthesis and Preparation of Films. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 1748-1760	1.5	0
168	Thermophysical properties of lithium thiogallate that are important for optical applications.. *RSC Advances*, **2021**, 11, 39177-39187	3.7	3
167	Local atomic and electronic structure of Pt-Os nanoplates and nanofibers derived from the single-source precursor (NH4)2[Pt0.5Os0.5Cl6]. *Journal of Nanoparticle Research*, **2021**, 24, 1	2.3	
166	SYNTHESIS AND THERMAL PROPERTIES OF DOUBLE COMPLEX SALT: CHLOROPENTAAMMINECHROMIUM(III) BIS(OXALATO)PALLADATE. *Journal of Structural Chemistry*, **2021**, 62, 555-562	0.9	
165	COMPLEX SALT [Pd(NH3)4][Pd(NH3)3NO2][RhOx3]·H2O AS A PROSPECTIVE PRECURSOR OF Pd–Rh NANOALLOYS. CRYSTAL STRUCTURE OF Na3[RhOx3]·4H2O. *Journal of Structural Chemistry*, **2021**, 62, 782-793	0.9	1
164	Kinetics of Thermal Decomposition of Yttrium and Samarium Hydroxides and Sm(OH)3@Y(OH)3 Compound with a Core–Shell Nanostructure. *Russian Journal of General Chemistry*, **2021**, 91, 1368-1378	0.7	0
163	Nanoscale coupling of MoS2 and graphene via rapid thermal decomposition of ammonium tetrathiomolybdate and graphite oxide for boosting capacity of Li-ion batteries. *Carbon*, **2021**, 173, 194-204	10.4	10
162	Tetranitratopalladate(II) Salts with Tetraalkylammonium Cations: Structural Aspects, Reactivity, and Applicability toward Palladium Deposition for Catalytic Applications. *Inorganic Chemistry*, **2021**, 60, 2983-2995	5.1	2
161	Bromoantimonates with bis(pyridinium)-type dications obtained via oxidation by dibromine: Diverse structural types and features of interactions pattern. *Polyhedron*, **2021**, 202, 115217	2.7	0
160	CuO-In2O3 Catalysts Supported on Halloysite Nanotubes for CO2 Hydrogenation to Dimethyl Ether. *Catalysts*, **2021**, 11, 1151	4	2
159	In Situ and Ex Situ Studies of Tetrammineplatinum(II) Chromate Thermolysis. *Russian Journal of Inorganic Chemistry*, **2020**, 65, 1566-1570	1.5	2
158	Zinc(II) and Manganese(II) Oxalatopalladates as Precursors of Bimetallic Nanomaterials. *Russian Journal of Inorganic Chemistry*, **2020**, 65, 1571-1576	1.5	1
157	Luminescent Zn(ii) and Cd(ii) complexes with chiral 2,2'-bipyridine ligands bearing natural monoterpene groups: synthesis, speciation in solution and photophysics. *Dalton Transactions*, **2020**, 49, 7552-7563	4.3	6

156	Double complex salts containing [Pt(NO3)6]2- anion and Rh(III) complex cations: Synthesis, structure and utilisation for preparing (RhPt)/CeO2 catalysts. *Journal of Molecular Structure*, **2020**, 1211, 128108	3.4	2
155	No Catalyst Added Hydrogen Peroxide Oxidation of Dextran: An Environmentally Friendly Route to Multifunctional Polymers. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5371-5379	8.3	1
154	Tetraammineplatinum(II) and Tetraamminepalladium(II) Chromates as Precursors of Metal Oxide Catalysts. *Chemistry - A European Journal*, **2020**, 26, 4341-4349	4.8	6
153	Modification of structure and conductivity of nanohorns by toluene addition in carbon arc. *Fullerenes Nanotubes and Carbon Nanostructures*, **2020**, 28, 342-347	1.8	5
152	Light-Induced Sulfur Transport inside Single-Walled Carbon Nanotubes. *Nanomaterials*, **2020**, 10,	5.4	7
151	Preparation of porous Co-Pt alloys for catalytic synthesis of carbon nanofibers. *Nanotechnology*, **2020**, 31, 495604	3.4	2
150	Preparation of Conductive Silver Films from Electrophoretic Concentrates Stabilized with Sorbitan Monooleate and Sodium Bis(2-Ethylhexyl)Sulfosuccinate in n-Decane. *Colloid Journal*, **2020**, 82, 295-302	1.1	0
149	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. *Inorganica Chimica Acta*, **2020**, 502, 119278	2.7	4
148	Interaction of Pd and Rh with ZrCeYLaO2 support during thermal aging and its effect on the CO oxidation activity. *Reaction Kinetics, Mechanisms and Catalysis*, **2020**, 129, 117-133	1.6	8
147	Effect of La Addition on the Performance of Three-Way Catalysts Containing Palladium and Rhodium. *Topics in Catalysis*, **2020**, 63, 152-165	2.3	5
146	Synthesis of Porous Nanostructured MoS2 Materials in Thermal Shock Conditions and Their Performance in Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 10802-10813	6.1	1
145	One-Dimensional Diiodine-Iodobismuthate(III) Hybrids Cat{[BiI](I)}: Syntheses, Stability, and Optical Properties. *Inorganic Chemistry*, **2020**, 59, 17320-17325	5.1	13
144	Insight into the thermal decomposition of ammonium hexahalogenoiridates(IV) and hexachloroiridate(III). *Physical Chemistry Chemical Physics*, **2020**, 22, 22923-22934	3.6	
143	Hybrid chlorobismuthate(III) trapping Br2 unit: Crystal structure and theoretical investigation of non-covalent Cl?Br interactions in (1-MePy)3{[Bi2Cl9](Br2)}. *Inorganica Chimica Acta*, **2020**, 513, 119932	2.7	2
142	Partial Miscibility of Metals as a Key for Improved Properties. *Materials Science Forum*, **2020**, 998, 151-156	0.4	
141	The Attractiveness of the Ternary Rh-Pd-Pt Alloys for CO Oxidation Process. *Processes*, **2020**, 8, 928	2.9	5
140	Emulsion Synthesis and Electrophoretic Concentration of Gold Nanoparticles in Sodium Bis(2-Ethylhexyl) Sulfosuccinate Solution in n-Decane. *Colloid Journal*, **2019**, 81, 478-486	1.1	6
139	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

138	Halogen bonding-assisted assembly of bromoantimonate(V) and polybromide-bromoantimonate-based frameworks. *CrystEngComm*, **2019**, 21, 850-856	3.3	21
137	Zinc and Cobalt Aqua Complexes with Cucurbit[6]uril: Syntheses and Crystal Structures. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2019**, 45, 433-438	1.6	1
136	New Trends in Automotive Exhaust Gas Purification Materials: Improvement of the Support against Stability of the Active Components. *Materials Science Forum*, **2019**, 950, 185-189	0.4	1
135	Percolative Composites with Carbon Nanohorns: Low-Frequency and Ultra-High Frequency Response. *Materials*, **2019**, 12,	3.5	5
134	Study of CoxPt1⊠ nanoalloy formation mechanism via single-source precursors. *Powder Diffraction* , **2019**, 34, S27-S31	1.8	
133	High-temperature oxidation of europium (II) sulfide. *Journal of Industrial and Engineering Chemistry*, **2019**, 79, 62-70	6.3	11
132	Mononuclear Sb(V) Bromide Complexes with 3-Halopyridinium Cations: Synthesis, Structures, and Thermal Stability. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2019**, 45, 128-132	1.6	4
131	Oxalato complexes of Pd(II) with Co(II) and Ni(II) as single-source precursors for bimetallic nanoalloys. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 111-121	4.1	8
130	Luminescent Complexes of Zn(II) and Cd(II) with Chiral Ligands Containing 1,10-Phenanthroline and Natural Monoterpenoids (+)-3-Carene or (+)-Limonene Fragments. *Russian Journal of General Chemistry*, **2019**, 89, 87-95	0.7	2
129	Purification of gasoline exhaust gases using bimetallic PdRh/□Al2O3 catalysts. *Reaction Kinetics, Mechanisms and Catalysis*, **2019**, 127, 137-148	1.6	8
128	Halobismuthates with 3-iodopyridinium cations: Halogen bonding-assisted crystal packing. *Polyhedron*, **2019**, 166, 137-140	2.7	9
127	Formation of Active Sites of Carbon Nanofibers Growth in Self-Organizing NiPd Catalyst during Hydrogen-Assisted Decomposition of 1,2-Dichloroethane. *Industrial & Engineering Chemistry Research*, **2019**, 58, 685-694	3.9	16
126	Synthesis and Study of Bimetallic Pd-Rh System Supported on Zirconia-Doped Alumina as a Component of Three-way Catalysts. *Emission Control Science and Technology*, **2019**, 5, 363-377	2	4
125	Obtaining and Characterizing Silver–Sorbitan Monooleate Nanocomposite and Conducting Films Based on It. *Russian Journal of Physical Chemistry A*, **2019**, 93, 717-722	0.7	1
124	Structure and Properties of the □Cs2Mo2⊠WxO7 Solid Solution. *Journal of Structural Chemistry*, **2019**, 60, 952-960	0.9	1
123	Pressure-Assisted Interface Engineering in MoS2/Holey Graphene Hybrids for Improved Performance in Li-ion Batteries. *Energy Technology*, **2019**, 7, 1900659	3.5	5
122	Antimony(V) Bromide and Polybromide Complexes with N-alkylated Quinolinium or Isoquinolinium Cations: Substituent-dependent Assembly of Polymeric Frameworks. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2019**, 645, 1141-1145	1.3	7
121	Sky-blue thermally activated delayed fluorescence (TADF) based on Ag(I) complexes: strong solvation-induced emission enhancement. *Inorganic Chemistry Frontiers*, **2019**, 6, 3168-3176	6.8	23

120	Experimental Study of Ignition of Mechanically Activated Coals. *Combustion, Explosion and Shock Waves*, **2019**, 55, 562-565	1	3
119	Synthesis, structure and properties of (NH4)2[RuNO(NO2)4OH] and NH4[RuNO(L)(NO2)3OH] (L=NH3, Py). *Journal of Molecular Structure*, **2019**, 1176, 402-407	3.4	4
118	Preparation of highly dispersed Ni1-xPdx alloys for the decomposition of chlorinated hydrocarbons. *Journal of Alloys and Compounds*, **2019**, 782, 716-722	5.7	13
117	Binuclear and polymeric bromobismuthate complexes: Crystal structures and thermal stability. *Polyhedron*, **2019**, 159, 318-322	2.7	18
116	Experimental redetermination of the CuPd phase diagram. *Journal of Alloys and Compounds*, **2019**, 777, 204-212	5.7	15
115	Double complex salts [PdL4][RuNO(NO2)4OH] (L = NH3, Py) synthesis, structure and preparation of bimetallic metastable solid solution Pd0.5Ru0.5. *Polyhedron*, **2019**, 159, 217-225	2.7	6
114	Optical Spectroscopy Methods in the Estimation of the Thermal Stability of Bimetallic PdRh/Al2O3 Three-Way Catalysts. *Topics in Catalysis*, **2019**, 62, 296-304	2.3	8
113	Prospect of Using Nanoalloys of Partly Miscible Rhodium and Palladium in Three-Way Catalysis. *Topics in Catalysis*, **2019**, 62, 305-314	2.3	8
112	Bromo- and Polybromoantimonates(V): Structural and Theoretical Studies of Hybrid Halogen-Rich Halometalate Frameworks. *Chemistry - A European Journal*, **2018**, 24, 10165	4.8	36
111	Effect of metal ratio in alumina-supported Pd-Rh nanoalloys on its performance in three way catalysis. *Journal of Alloys and Compounds*, **2018**, 749, 155-162	5.7	16
110	Synthesis and Concentration of Organosols of Silver Nanoparticles Stabilized by AOT: Emulsion Versus Microemulsion. *Langmuir*, **2018**, 34, 2815-2822	4	25
109	Bromine-rich complexes of bismuth: experimental and theoretical studies. *Dalton Transactions*, **2018**, 47, 2683-2689	4.3	38
108	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
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. *New Journal of Chemistry*, **2018**, 42, 8843-8850	3.6	8
106	Synthesis and study of Pd-Rh alloy nanoparticles and alumina-supported low-content Pd-Rh catalysts for CO oxidation. *Materials Research Bulletin*, **2018**, 102, 196-202	5.1	9
105	Use of Gold Nanoparticles Protected with Isonicotinic Acid and Tris(2-Aminoethyl)amine for Manufacturing Colloidal Films and Composites with Carbon and Oxide Materials. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 229-238	1.5	1
104	Carbon Nanotube Synthesis Using Fe-Mo/MgO Catalyst with Different Ratios of CH4 and H2 Gases. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1700274	1.3	8
103	Synthesis of Filamentary Carbon Material on a Self-Organizing NiPt Catalyst in the Course of 1,2-Dichloroethane Decomposition. *Kinetics and Catalysis*, **2018**, 59, 363-371	1.5	9

102	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
101	1D and 2D Polybromotellurates(IV): Structural Studies and Thermal Stability. *European Journal of Inorganic Chemistry*, **2018**, 2018, 3264-3269	2.3	17
100	Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. *Journal of Materials Science*, **2018**, 53, 13053-13066	4.3	13
99	The thermal behavior of double complex compounds with the cation [Cr(ur)6]3+ in a reducing atmosphere. *Journal of Thermal Analysis and Calorimetry*, **2018**, 134, 253-260	4.1	1
98	Exothermal effects in the thermal decomposition of [IrCl6]2□containing salts with [M(NH3)5Cl]2+ cations: [M(NH3)5Cl][IrCl6] (M = Co, Cr, Ru, Rh, Ir). *New Journal of Chemistry*, **2018**, 42, 1762-1770	3.6	12
97	In situ EPR study of chemoselective hydrogenation of nitroarenes on Au/Al2O3 catalyst. *Mendeleev Communications*, **2018**, 28, 536-537	1.9	5
96	Catalytic conversion of 1,2-dichloroethane over Ni-Pd system into filamentous carbon material. *Catalysis Today*, **2017**, 293-294, 23-32	5.3	25
95	Synthesis, Structural, Thermal, and Electronic Properties of Palmierite-Related Double Molybdate □CsPb(MoO). *Inorganic Chemistry*, **2017**, 56, 3276-3286	5.1	30
94	Peculiarity of Rh bulk diffusion in La-doped alumina and its impact on CO oxidation over Rh/Al2O3. *Catalysis Communications*, **2017**, 97, 18-22	3.2	15
93	Successful synthesis and thermal stability of immiscible metal Au-Rh, Au-Ir andAu-Ir-Rh nanoalloys. *Nanotechnology*, **2017**, 28, 205302	3.4	15
92	Synthesis, thermal properties and photoisomerization of trans-[Ru(NO)Py2Cl2(H2O)]H2PO4?H2O. *Journal of Chemical Sciences*, **2017**, 129, 441-448	1.8	2
91	Heterometallic complexes [RuNO(NO2)4OHM(H2O)3] (M = Co, Ni) as the precursors for thermal preparation of heterometallic systems. *Inorganica Chimica Acta*, **2017**, 457, 145-149	2.7	4
90	Luminescent coordination polymers based on Ca2+ and octahedral cluster anions [{M6Cli8}Cla6]2□ (M = Mo, W): synthesis and thermal stability studies. *New Journal of Chemistry*, **2017**, 41, 14855-14861	3.6	14
89	Facile Substitution of Bridging SO Ligands in Re Bioctahedral Cluster Complexes. *Inorganic Chemistry*, **2017**, 56, 12389-12400	5.1	13
88	One-step chemical vapor deposition synthesis and supercapacitor performance of nitrogen-doped porous carbon-carbon nanotube hybrids. *Beilstein Journal of Nanotechnology*, **2017**, 8, 2669-2679	3	21
87	Volatile heterometallics: structural diversity of Pd-Pb □diketonates and correlation with thermal properties. *Dalton Transactions*, **2017**, 46, 12245-12256	4.3	12
86	Synthesis, structure, and properties of compounds containing both octahedral rhenium cluster cations and anions. *Russian Chemical Bulletin*, **2017**, 66, 426-431	1.7	1
85	Separating excess surfactant from silver and gold nanoparticles in micellar concentrates by means of nonaqueous electrophoresis. *Russian Journal of Physical Chemistry A*, **2017**, 91, 1493-1501	0.7	2

84	Synthesis, crystal structure and thermal behavior of 5,7,12,14-tetramethyl-1,4,8,11-tetraazacyclotetradeca-4,6,11,13-tetraenatogold() tetraphenylborate. *Inorganic Chemistry Communication*, **2017**, 83, 70-75	3.1	1
83	Double complex salts [Au(En)2][Ir(NO2)6] nH2O (n = 0, 2), [Au(En)2][Ir(NO2)6] x [Rh(NO2)6]1 nH2O (x = 0.25, 0.5, 0.75): Synthesis, structure, thermal properties. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 12-21	1.5	2
82	Effect of metal-metal and metal-support interaction on activity and stability of Pd-Rh/alumina in CO oxidation. *Catalysis Today*, **2017**, 293-294, 73-81	5.3	35
81	Effect of Alumina Phase Transformation on Stability of Low-Loaded Pd-Rh Catalysts for CO Oxidation. *Topics in Catalysis*, **2017**, 60, 152-161	2.3	17
80	Promoting Effect of Co, Cu, Cr and Fe on Activity of Ni-Based Alloys in Catalytic Processing of Chlorinated Hydrocarbons. *Topics in Catalysis*, **2017**, 60, 171-177	2.3	17
79	New double complex salt [PdEn2]3[Rh(NO2)6]2 2.67H2O: Synthesis, crystal structure, and thermal properties. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 886-892	1.5	1
78	Thermal properties of some organosilicon precursors for chemical vapor deposition. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 609-616	4.1	9
77	Trapping molecular bromine: a one-dimensional bromobismuthate complex with Br2 as a linker. *Dalton Transactions*, **2016**, 45, 3691-3	4.3	27
76	Copper(II) erium(III) 15-metallacrown-5 based on glycinehydroxamic acid as a new precursor for heterobimetallic composite materials on carbon nanotubes. *Polyhedron*, **2016**, 114, 96-100	2.7	15
75	Study on thermal decomposition of double complex salt [Pd(NH3)4][PtCl6]. *Journal of Thermal Analysis and Calorimetry*, **2016**, 123, 1183-1195	4.1	13
74	Preparation and Thermal Decomposition of Ln(III)-Cu(II) Polynuclear Metallamacrocyclic Compounds Based on Glycinehydroxamic Acid. *Macroheterocycles*, **2016**, 9, 263-267	2.2	7
73	Chemical composition and properties of films produced from hexamethyldisilazane by plasma-enhanced chemical vapor deposition. *High Energy Chemistry*, **2016**, 50, 213-218	0.9	1
72	X-ray study of [Cu(NH3)4](ReO4)2-[Cu(NH3)2(ReO4)2] n transformation. *Journal of Structural Chemistry*, **2016**, 57, 140-145	0.9	1
71	Synthesis of unsaturated secondary amines by direct reductive amination of aliphatic aldehydes with nitroarenes over Au/Al2O3 catalyst in continuous flow mode. *RSC Advances*, **2016**, 6, 88366-88372	3.7	16
70	Complexes of non-lacunary Keggin- and Dawson-type polyoxometalates with Pb(II): formation of 1D coordination polymers with different bonding modes. *New Journal of Chemistry*, **2016**, 40, 9981-9985	3.6	8
69	Crystal structure and thermal properties of K3[Ir(C2O4)3] 4.25H2O and K3[Ir(C2O4)3] 0.5KCl 4H2O. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 1541-1548	4.1	3
68	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
67	One-pot reductive amination of aldehydes with nitroarenes over an Au/Al2O3 catalyst in a continuous flow reactor. *Catalysis Science and Technology*, **2015**, 5, 4741-4745	5.5	41

66	Synthesis, crystal structures, and characterization of double complex salts [Au(en)2][Rh(NO2)6]·2H2O and [Au(en)2][Rh(NO2)6]. *Journal of Molecular Structure*, **2015**, 1100, 174-179	1.4	9
65	Determination of the equilibrium miscibility gap in the Pd–Rh alloy system using metal nanopowders obtained by decomposition of coordination compounds. *Journal of Alloys and Compounds*, **2015**, 622, 1055-1060	5.7	19
64	Preparation and properties of gold nanoparticles stabilized by abietic acid. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 244-251	1.5	5
63	Gold nanoparticles stabilized by isonicotinic acid: Synthesis in water, dimethylformamide, dimethyl sulfoxide and characterization. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 362-371	1.5	1
62	Synthesis of Octafluorobiphenyl-4,4?-dicarboxylic acid and photoluminescent compounds based thereon. *Russian Journal of General Chemistry*, **2015**, 85, 1617-1622	0.7	9
61	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. *Journal of Coordination Chemistry*, **2015**, 68, 3894-3902	1.6	3
60	Copper(II) and silver(I) complexes with chiral N-substituted aminoacetic acid derivatives containing the natural monoterpenes (+)-3-carene and (–)-α-pinene: Synthesis and structures. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2015**, 41, 658-663	1.6	5
59	Diffusion behavior of copper atoms under Cu(II) reduction in Cucurbit[8]uril cavity at elevated temperatures. *Journal of Solid State Chemistry*, **2015**, 221, 202-207	3.3	1
58	Thermal decomposition of [Co(NH3)6][Fe(C2O4)3]·H2O in inert and reductive atmospheres. *Russian Chemical Bulletin*, **2015**, 64, 1963-1966	1.7	6
57	Ni–Mo and Co–Mo alloy nanoparticles for catalytic chemical vapor deposition synthesis of carbon nanotubes. *Journal of Alloys and Compounds*, **2015**, 621, 351-356	5.7	58
56	Ni-Cu and Ni-Co alloys: Synthesis, structure, and catalytic activity for the decomposition of chlorinated hydrocarbons. *Inorganic Materials*, **2014**, 50, 566-571	0.9	16
55	Bimetallic Au-Cu/CeO2 catalyst: Synthesis, structure, and catalytic properties in the CO preferential oxidation. *Catalysis in Industry*, **2014**, 6, 36-43	0.8	3
54	Stabilization of active sites in alloyed Pd–Rh catalysts on δ-Al2O3 support. *Catalysis Today*, **2014**, 238, 80-86	5.3	43
53	Hydrophilic gold nanoparticles stabilized with tris(2-aminoethyl)amine: Preparation and characterization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 441, 496-503	5.1	3
52	Some peculiarities of zirconium tungstate synthesis by thermal decomposition of hydrothermal precursors. *Thermochimica Acta*, **2014**, 597, 19-26	2.9	10
51	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
50	Two crystal modifications of [PdEn(NO2)2]. Synthesis, structure, and thermal properties. *Journal of Structural Chemistry*, **2014**, 55, 299-305	0.9	4
49	Structure, synthesis, and thermal properties of trans-[Ru(NO)(NH3)4(SO4)]NO3·H2O. *Journal of Structural Chemistry*, **2014**, 55, 311-318	0.9	7

48	Silica, alumina and ceria supported Au□Cu nanoparticles prepared via the decomposition of [Au(en)2]2[Cu(C2O4)2]3·8H2O single-source precursor: Synthesis, characterization and catalytic performance in CO PROX. *Catalysis Today*, **2014**, 235, 103-111	5.3	26
47	Structure and properties of tripyridine nitrosocomplexes of ruthenium: mer-[Ru(NO)Py3Cl(OH)]Cl·1.5H2O and mer-[Ru(NO)Py3Cl(H2O)]Cl2·2H2O·0.5HCl. *Journal of Structural Chemistry*, **2014**, 55, 682-690	0.9	8
46	Synthesis of nitrogen-containing porous carbon using calcium oxide nanoparticles. *Physica Status Solidi (B): Basic Research*, **2014**, 251, 2607-2612	1.3	27
45	Ribbed-monofunctionalized iron(II) clathrochelate with tert-butyl sulfide substituents: Synthesis, structure, and thermochemical transformations. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 1162-1167	1.5	5
44	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
43	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
42	On formation mechanism of Pd□Ir bimetallic nanoparticles through thermal decomposition of [Pd(NH3)4][IrCl6]. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	22
41	[M(NH3)5Cl]WO4 (M = Cr, Rh): Synthesis, crystal structure, thermal properties. *Journal of Structural Chemistry*, **2013**, 54, 1077-1082	0.9	1
40	State of water in CB[6] and CB[8] cavitands. *Russian Chemical Bulletin*, **2013**, 62, 2109-2115	1.7	
39	Features of the sol-gel process of formation of nanostructured gadolinium oxide. *Russian Journal of General Chemistry*, **2013**, 83, 1808-1814	0.7	7
38	Vapour phase formic acid decomposition over PdAu/□Al2O3 catalysts: Effect of composition of metallic particles. *Journal of Catalysis*, **2013**, 299, 171-180	7.3	40
37	Hydrogen electrooxidation over palladium–gold alloy: Effect of pretreatment in ethylene on catalytic activity and CO tolerance. *Electrochimica Acta*, **2012**, 76, 344-353	6.7	18
36	Chalcogen arsenide clusters of iron with a functional carboxyl group: Synthesis, structures, and thermolysis. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2012**, 38, 662-670	1.6	6
35	Investigation of thermal properties of double complex salts [M(NH3)5Br][AuBr4]2·nH2O, M = Rh, Ir. *Journal of Thermal Analysis and Calorimetry*, **2012**, 109, 901-905	4.1	0
34	Thiourea stripping of rhodium from organic phases resulting from extraction with a mixture of dialkyl sulfide and alkylanilinium nitrate from acid nitrate-nitrite aqueous solutions of triaquatrinitrorhodium(III). *Russian Journal of Inorganic Chemistry*, **2012**, 57, 1398-1404	1.5	1
33	Double complex salts [Pd(NH3)4]3[Rh(NO2)6]2, [Pd(NH3)4]3[Rh(NO2)6]2·H2O as promising precursors to prepare Pd-Rh nanoalloys. *Journal of Structural Chemistry*, **2012**, 53, 527-533	0.9	10
32	In situ synchrotron study of Au-Pd nanoporous alloy formation by single-source precursor thermolysis. *Nanotechnology*, **2012**, 23, 405302	3.4	34
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