

# Yury Shubin

## 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.

187  
papers

2,346  
citations

25  
h-index

36  
g-index

196  
ext. papers

2,754  
ext. citations

3.1  
avg. IF

4.87  
L-index

#	Paper	IF	Citations
187	Experimental investigation of phase equilibria of the Ir-Pt binary system in subsolidus region. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103247	2.5	1
186	Catalytic Properties of Bulk (1-x)Ni-xW Alloys in the Decomposition of 1,2-Dichloroethane with the Production of Carbon Nanomaterials. <i>Kinetics and Catalysis</i> , <b>2022</b> , 63, 75-86	1.5	1
185	Bromination of carbon nanohorns to improve sodium-ion storage performance. <i>Applied Surface Science</i> , <b>2022</b> , 580, 152238	6.7	1
184	X-ray diffraction reinvestigation of the Ni-Pt phase diagram. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 891, 161974	5.7	3
183	Single-source heterometallic precursors to MOCVD Pd Cu alloy films for energy and catalysis applications <b>2022</b> , 453-472		0
182	Carbon Erosion of a Bulk Nickel-Copper Alloy as an Effective Tool to Synthesize Carbon Nanofibers from Hydrocarbons. <i>Kinetics and Catalysis</i> , <b>2022</b> , 63, 97-107	1.5	1
181	Interaction of chlorinated hydrocarbons with nichrome alloy: From surface transformations to complete dusting. <i>Surfaces and Interfaces</i> , <b>2022</b> , 30, 101914	4.1	1
180	One-pot functionalization of catalytically derived carbon nanostructures with heteroatoms for toxic-free environment. <i>Applied Surface Science</i> , <b>2022</b> , 590, 153055	6.7	1
179	Water Purification from Chlorobenzenes using Heteroatom-Functionalized Carbon Nanofibers Produced on Self-Organizing Ni-Pd Catalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 107873	6.8	0
178	Design of Nanoalloyed Catalysts for Hydrogen Production Processes. <i>Nanobiotechnology Reports</i> , <b>2021</b> , 16, 195-201		0
177	COMPLEX SALT [Pd(NH <sub>3</sub> ) <sub>4</sub> ][Pd(NH <sub>3</sub> ) <sub>3</sub> NO <sub>2</sub> ][RhOx <sub>3</sub> ] <sub>2</sub> H <sub>2</sub> O AS A PROSPECTIVE PRECURSOR OF PdRh NANOALLOYS. CRYSTAL STRUCTURE OF Na <sub>3</sub> [RhOx <sub>3</sub> ] <sub>2</sub> H <sub>2</sub> O. <i>Journal of Structural Chemistry</i> , <b>2021</b> , 62, 782-793	0.9	1
176	Copper-Balladium Phase Diagram. <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 891-893	1.5	1
175	Facile synthesis of triple Ni-Mo-W alloys and their catalytic properties in chemical vapor deposition of chlorinated hydrocarbons. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 866, 158778	5.7	6
174	Nanoscale coupling of MoS <sub>2</sub> and graphene via rapid thermal decomposition of ammonium tetrathiomolybdate and graphite oxide for boosting capacity of Li-ion batteries. <i>Carbon</i> , <b>2021</b> , 173, 194-204	10.4	10
173	Porosity and composition of nitrogen-doped carbon materials templated by the thermolysis products of calcium tartrate and their performance in electrochemical capacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 158259	5.7	6
172	Redox reactions between acetonitrile and nitrogen dioxide in the interlayer space of fluorinated graphite matrices. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 10580-10590	3.6	2
171	Transformation of alumina-supported Pt-Au alloyed nanoparticles into core-shell Pt@Au structures during high-temperature treatment. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1	2.3	2

170	Thermal activation of Pd/CeO <sub>2</sub> -SnO <sub>2</sub> catalysts for low-temperature CO oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119275	21.8	13
169	Room temperature synthesis of fluorinated graphite intercalation compounds with low fluorine loading of host matrix. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 232, 109482	2.1	5
168	Sodium storage properties of thin phosphorus-doped graphene layers developed on the surface of nanodiamonds under hot pressing conditions. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 335-341	1.8	2
167	Preparation of porous Co-Pt alloys for catalytic synthesis of carbon nanofibers. <i>Nanotechnology</i> , <b>2020</b> , 31, 495604	3.4	2
166	Adsorption of 1,2-Dichlorobenzene on a Carbon Nanomaterial Prepared by Decomposition of 1,2-Dichloroethane on Nickel Alloys. <i>Russian Journal of Applied Chemistry</i> , <b>2020</b> , 93, 1873-1882	0.8	2
165	Catalytic synthesis of segmented carbon filaments via decomposition of chlorinated hydrocarbons on Ni-Pt alloys. <i>Catalysis Today</i> , <b>2020</b> , 348, 102-110	5.3	9
164	Interaction of Pd and Rh with ZrCeYLaO <sub>2</sub> support during thermal aging and its effect on the CO oxidation activity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2020</b> , 129, 117-133	1.6	8
163	Effect of La Addition on the Performance of Three-Way Catalysts Containing Palladium and Rhodium. <i>Topics in Catalysis</i> , <b>2020</b> , 63, 152-165	2.3	5
162	Synthesis of Porous Nanostructured MoS <sub>2</sub> Materials in Thermal Shock Conditions and Their Performance in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10802-10813	6.1	1
161	Synthesis of nitrogen doped segmented carbon nanofibers via metal dusting of Ni-Pd alloy. <i>Catalysis Today</i> , <b>2020</b> , 388-389, 312-312	5.3	3
160	Partial Miscibility of Metals as a Key for Improved Properties. <i>Materials Science Forum</i> , <b>2020</b> , 998, 151-156.4		
159	Magnetic Properties of 1D IronSulfur Compounds Formed Inside Single-Walled Carbon Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2020</b> , 14, 2000291	2.5	2
158	The Attractiveness of the Ternary Rh-Pd-Pt Alloys for CO Oxidation Process. <i>Processes</i> , <b>2020</b> , 8, 928	2.9	5
157	Mechanochemical Synthesis, Structure, and Catalytic Activity of Ni-Cu, Ni-Fe, and Ni-Mo Alloys in the Preparation OF Carbon Nanofibers During the Decomposition of Chlorohydrocarbons. <i>Journal of Structural Chemistry</i> , <b>2020</b> , 61, 769-779	0.9	4
156	Effect of Mo on the catalytic activity of Ni-based self-organizing catalysts for processing of dichloroethane into segmented carbon nanomaterials. <i>Heliyon</i> , <b>2019</b> , 5, e02428	3.6	14
155	Synthesis of bimetallic AuPt/CeO <sub>2</sub> catalysts and their comparative study in CO oxidation under different reaction conditions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2019</b> , 127, 69-83	1.6	13
154	New Trends in Automotive Exhaust Gas Purification Materials: Improvement of the Support against Stability of the Active Components. <i>Materials Science Forum</i> , <b>2019</b> , 950, 185-189	0.4	1
153	Bimetallic Pt,Ir-containing coatings formed by MOCVD for medical applications. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2019</b> , 30, 69	4.5	5

152	Purification of gasoline exhaust gases using bimetallic PdRh/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2019</b> , 127, 137-148	1.6	8
151	Formation of Active Sites of Carbon Nanofibers Growth in Self-Organizing NiPd Catalyst during Hydrogen-Assisted Decomposition of 1,2-Dichloroethane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 685-694	3.9	16
150	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> , <b>2019</b> , 5, 363-377	2	4
149	Chemical Composition, Structure, and Functional Properties of the Coatings of Microchannel Plate Channels. <i>Journal of Surface Investigation</i> , <b>2019</b> , 13, 451-455	0.5	
148	Pressure-Assisted Interface Engineering in MoS <sub>2</sub> /Holey Graphene Hybrids for Improved Performance in Li-ion Batteries. <i>Energy Technology</i> , <b>2019</b> , 7, 1900659	3.5	5
147	Preparation of highly dispersed Ni <sub>1-x</sub> Pd <sub>x</sub> alloys for the decomposition of chlorinated hydrocarbons. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 782, 716-722	5.7	13
146	Experimental redetermination of the CuPd phase diagram. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 777, 204-212	5.7	15
145	Optical Spectroscopy Methods in the Estimation of the Thermal Stability of Bimetallic PdRh/Al <sub>2</sub> O <sub>3</sub> Three-Way Catalysts. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 296-304	2.3	8
144	Prospect of Using Nanoalloys of Partly Miscible Rhodium and Palladium in Three-Way Catalysis. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 305-314	2.3	8
143	Graphitization of <sup>13</sup> C enriched fine-grained graphitic material under high-pressure annealing. <i>Carbon</i> , <b>2019</b> , 141, 323-330	10.4	15
142	Effect of metal ratio in alumina-supported Pd-Rh nanoalloys on its performance in three way catalysis. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 749, 155-162	5.7	16
141	Creation of nanosized holes in graphene planes for improvement of rate capability of lithium-ion batteries. <i>Nanotechnology</i> , <b>2018</b> , 29, 134001	3.4	33
140	Iron-filled multi-walled carbon nanotubes for terahertz applications: effects of interfacial polarization, screening and anisotropy. <i>Nanotechnology</i> , <b>2018</b> , 29, 174003	3.4	9
139	The peculiarities of AuPt alloy nanoparticles formation during the decomposition of double complex salts. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 740, 935-940	5.7	12
138	Comparative study of 1,2-dichloroethane decomposition over Ni-based catalysts with formation of filamentous carbon. <i>Catalysis Today</i> , <b>2018</b> , 301, 147-152	5.3	9
137	High-Pressure High-Temperature Synthesis of MoS <sub>2</sub> /Holey Graphene Hybrids and Their Performance in Li-Ion Batteries. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700262	1.3	15
136	Carbon Nanotube Synthesis Using Fe-Mo/MgO Catalyst with Different Ratios of CH <sub>4</sub> and H <sub>2</sub> Gases. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700274	1.3	8
135	Synthesis of Filamentary Carbon Material on a Self-Organizing NiPt Catalyst in the Course of 1,2-Dichloroethane Decomposition. <i>Kinetics and Catalysis</i> , <b>2018</b> , 59, 363-371	1.5	9

134	Effect of in-plane size of MoS <sub>2</sub> nanoparticles grown over multilayer graphene on the electrochemical performance of anodes in Li-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 45-53	6.7	13
133	Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 13053-13066	4.3	13
132	Effect of Hot Pressing on the Electrochemical Performance of Multilayer Holey Graphene Materials in Li-ion Batteries. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1800202	1.3	5
131	Optical spectroscopy of Rh <sup>3+</sup> ions in the lanthanum-aluminum oxide systems. <i>Journal of Luminescence</i> , <b>2018</b> , 204, 609-617	3.8	10
130	Catalytic conversion of 1,2-dichloroethane over Ni-Pd system into filamentous carbon material. <i>Catalysis Today</i> , <b>2017</b> , 293-294, 23-32	5.3	25
129	Peculiarity of Rh bulk diffusion in La-doped alumina and its impact on CO oxidation over Rh/Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Communications</i> , <b>2017</b> , 97, 18-22	3.2	15
128	Successful synthesis and thermal stability of immiscible metal Au-Rh, Au-Ir and Au-Ir-Rh nanoalloys. <i>Nanotechnology</i> , <b>2017</b> , 28, 205302	3.4	15
127	Domain structure of CoIr nanoalloys. <i>Powder Diffraction</i> , <b>2017</b> , 32, S155-S159	1.8	1
126	Copper on carbon materials: stabilization by nitrogen doping. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10574-10583	13	62
125	Structural rearrangements of the first stage inclusion compound of fluorinated graphite with acetonitrile during isothermal deintercalation. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 128, 349-355	4.1	4
124	One-step chemical vapor deposition synthesis and supercapacitor performance of nitrogen-doped porous carbon-carbon nanotube hybrids. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 2669-2679	3	21
123	Multiscale characterization of <sup>13</sup> C-enriched fine-grained graphitic materials for chemical and electrochemical applications. <i>Carbon</i> , <b>2017</b> , 124, 161-169	10.4	13
122	Metal Ir coatings on endocardial electrode tips, obtained by MOCVD. <i>Applied Surface Science</i> , <b>2017</b> , 425, 1052-1058	6.7	12
121	Synthesis of bimetallic nanocompositions AuPd <sub>1-x</sub> /Al <sub>2</sub> O <sub>3</sub> for catalytic CO oxidation. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	2
120	Catalytic behavior of bimetallic NiFe systems in the decomposition of 1,2-dichloroethane. Effect of iron doping and preparation route. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2017</b> , 121, 413-423	1.6	6
119	Double complex salts [Au(En) <sub>2</sub> ][Ir(NO <sub>2</sub> ) <sub>6</sub> ] · nH <sub>2</sub> O (n = 0, 2), [Au(En) <sub>2</sub> ][Ir(NO <sub>2</sub> ) <sub>6</sub> ] x [Rh(NO <sub>2</sub> ) <sub>6</sub> ] · nH <sub>2</sub> O (x = 0.25, 0.5, 0.75): Synthesis, structure, thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , <b>2017</b> , 62, 12-21	1.5	2
118	Ordering and magnetic properties of nanostructured CoPt particles. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2017</b> , 81, 298-300	0.4	
117	Effect of metal-metal and metal-support interaction on activity and stability of Pd-Rh/alumina in CO oxidation. <i>Catalysis Today</i> , <b>2017</b> , 293-294, 73-81	5.3	35

116	Effect of Alumina Phase Transformation on Stability of Low-Loaded Pd-Rh Catalysts for CO Oxidation. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 152-161	2.3	17
115	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> , <b>2017</b> , 60, 171-177	2.3	17
114	Effect of Pd deposition procedure on activity of Pd/Ce <sub>0.5</sub> Sn <sub>0.5</sub> O <sub>2</sub> catalysts for low-temperature CO oxidation. <i>Catalysis Communications</i> , <b>2016</b> , 73, 34-38	3.2	14
113	MOCVD growth and study of magnetic Co films. <i>Surface Engineering</i> , <b>2016</b> , 32, 8-14	2.6	3
112	Thermally exfoliated fluorinated graphite for NO <sub>2</sub> gas sensing. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 2492-2498	1.3	13
111	The exchange interaction effects on magnetic properties of the nanostructured CoPt particles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 401, 236-241	2.8	7
110	New SrPb <sub>3</sub> Br <sub>8</sub> crystals: Growth, crystal structure and optical properties. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 682, 832-838	5.7	8
109	Synthesis of unsaturated secondary amines by direct reductive amination of aliphatic aldehydes with nitroarenes over Au/Al <sub>2</sub> O <sub>3</sub> catalyst in continuous flow mode. <i>RSC Advances</i> , <b>2016</b> , 6, 88366-88372	3.7	16
108	One-pot reductive amination of aldehydes with nitroarenes over an Au/Al <sub>2</sub> O <sub>3</sub> catalyst in a continuous flow reactor. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 4741-4745	5.5	41
107	CO oxidation over fibreglasses with doped Cu-Ce-O catalytic layer prepared by surface combustion synthesis. <i>Applied Surface Science</i> , <b>2015</b> , 349, 21-26	6.7	19
106	Synthesis, crystal structures, and characterization of double complex salts [Au(en) <sub>2</sub> ][Rh(NO <sub>2</sub> ) <sub>6</sub> ] <sub>2</sub> H <sub>2</sub> O and [Au(en) <sub>2</sub> ][Rh(NO <sub>2</sub> ) <sub>6</sub> ]. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1100, 174-179	3.4	9
105	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> , <b>2015</b> , 622, 1055-1060	5.7	19
104	Low-temperature CO oxidation by Pd/CeO <sub>2</sub> catalysts synthesized using the coprecipitation method. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 166-167, 91-103	21.8	116
103	Chemical vapor deposition of Pd/Cu alloy films from a new single source precursor. <i>Journal of Crystal Growth</i> , <b>2015</b> , 414, 130-134	1.6	21
102	Thermal decomposition of [Co(NH <sub>3</sub> ) <sub>6</sub> ][Fe(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ] <sub>3</sub> H <sub>2</sub> O in inert and reductive atmospheres. <i>Russian Chemical Bulletin</i> , <b>2015</b> , 64, 1963-1966	1.7	6
101	Structure of platinum coatings obtained by chemical vapor deposition. <i>Journal of Structural Chemistry</i> , <b>2015</b> , 56, 1215-1219	0.9	7
100	MOCVD growth of Pt films using a novel Pt(IV) compound as a precursor. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 1053-1059		4
99	NiMo and CoMo alloy nanoparticles for catalytic chemical vapor deposition synthesis of carbon nanotubes. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 621, 351-356	5.7	58

98	Ni-Cu and Ni-Co alloys: Synthesis, structure, and catalytic activity for the decomposition of chlorinated hydrocarbons. <i>Inorganic Materials</i> , <b>2014</b> , 50, 566-571	0.9	16
97	Bimetallic Au-Cu/CeO <sub>2</sub> catalyst: Synthesis, structure, and catalytic properties in the CO preferential oxidation. <i>Catalysis in Industry</i> , <b>2014</b> , 6, 36-43	0.8	3
96	Stabilization of active sites in alloyed PdRh catalysts on Al <sub>2</sub> O <sub>3</sub> support. <i>Catalysis Today</i> , <b>2014</b> , 238, 80-86	5.3	43
95	Low temperature synthesis of RuCu alloy nanoparticles with the compositions in the miscibility gap. <i>Journal of Solid State Chemistry</i> , <b>2014</b> , 212, 42-47	3.3	8
94	Synthesis of nanostructured carbon fibers from chlorohydrocarbons over Bulk Ni-Cr Alloys. <i>Nanotechnologies in Russia</i> , <b>2014</b> , 9, 380-385	0.6	21
93	Silica, alumina and ceria supported AuCu nanoparticles prepared via the decomposition of [Au(en) <sub>2</sub> ] <sub>2</sub> [Cu(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> ] <sub>3</sub> ·3H <sub>2</sub> O single-source precursor: Synthesis, characterization and catalytic performance in CO PROX. <i>Catalysis Today</i> , <b>2014</b> , 235, 103-111	5.3	26
92	Effect of the nature of a textural promoter on the catalytic properties of a nickel-copper catalyst for hydrocarbon processing in the production of carbon nanofibers. <i>Catalysis in Industry</i> , <b>2014</b> , 6, 176-181	0.8	7
91	Chlorination of perforated graphite via interaction with thionylchloride. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2613-2619	1.3	11
90	Catalytic Purification of Exhaust Gases Over PdRh Alloy Catalysts. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 1008-1014	4.3	39
89	Deposition of Ni thin films from Ni(II) βdiketonates derivatives with 1,3-diaminopropane. <i>Journal of Physics and Chemistry of Solids</i> , <b>2013</b> , 74, 1204-1211	3.9	6
88	Synthesis and properties of (C <sub>2</sub> F <sub>x</sub> Br <sub>0.01</sub> ) <sub>y</sub> CH <sub>3</sub> COOC <sub>2</sub> H <sub>5</sub> ) <sub>n</sub> (0.5 Inorganic Materials, <b>2013</b> , 49, 528-533)	0.9	9
87	Vapour phase formic acid decomposition over PdAu/Al <sub>2</sub> O <sub>3</sub> catalysts: Effect of composition of metallic particles. <i>Journal of Catalysis</i> , <b>2013</b> , 299, 171-180	7.3	40
86	Synthesis of a bismuth germanium oxide source material for Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> crystal growth. <i>Inorganic Materials</i> , <b>2013</b> , 49, 412-415	0.9	1
85	Three new O,N-coordinated Ni(II) complexes: Syntheses, crystal structures, and MOCVD applications. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 741-742, 122-130	2.3	10
84	Magnetic anisotropy and order parameter in nanostructured CoPt particles. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 152404	3.4	9
83	Hydrogen electrooxidation over palladiumgold alloy: Effect of pretreatment in ethylene on catalytic activity and CO tolerance. <i>Electrochimica Acta</i> , <b>2012</b> , 76, 344-353	6.7	18
82	Preferential CO oxidation over bimetallic PtCo catalysts prepared via double complex salt decomposition. <i>Chemical Engineering Journal</i> , <b>2012</b> , 207-208, 683-689	14.7	40
81	Deposition of Au Thin Films and Nanoparticles by MOCVD. <i>Chemical Vapor Deposition</i> , <b>2012</b> , 18, 336-342		26

80	Perforation of graphite in boiling mineral acid. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2620-2634	15
79	Investigation of thermal properties of double complex salts $[M(NH_3)_5Br][AuBr_4]_2 \cdot nH_2O$ , $M = Rh, Ir$ . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 901-905	4.1 0
78	Synthesis, crystal structures and thermal behavior of $Ni(pda)(hfac)_2$ and $Ni(pda)(thd)_2$ as potential MOCVD precursors (pda-1,3-diaminopropane, hfac-1,1,1,5,5,5-hexafluoro-2,4-pentanedionato(-), thd-2,2,6,6-tetramethyl-3,5-heptanedionato(-)). <i>Journal of Organometallic Chemistry</i> , <b>2012</b> , 698, 22-27	2.3 13
77	Formation of $Mo_2S_3$ Layers on the Surface of Graphitic Platelets. <i>Key Engineering Materials</i> , <b>2012</b> , 508, 56-60	0.4 4
76	Double complex salts $[Pd(NH_3)_4]_3[Rh(NO_2)_6]_2$ , $[Pd(NH_3)_4]_3[Rh(NO_2)_6]_2 \cdot nH_2O$ as promising precursors to prepare Pd-Rh nanoalloys. <i>Journal of Structural Chemistry</i> , <b>2012</b> , 53, 527-533	0.9 10
75	In situ synchrotron study of Au-Pd nanoporous alloy formation by single-source precursor thermolysis. <i>Nanotechnology</i> , <b>2012</b> , 23, 405302	3.4 34
74	Formation of solid solutions in the Re-Rh system upon thermobaric treatment of nanosized metal powders. <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 505-509	0.9 2
73	Crystal structure of $[Pd(NH_3)_4][Rh(NH_3)(NO_2)_5]$ . <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 621-624	0.9 6
72	Crystal structure of $[Pd(NH_3)_4]_3[Ir(NO_2)_6]_2 \cdot nH_2O$ . <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 816-819	0.9 4
71	Layered compounds based on perforated graphene. <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 903-909	0.9 10
70	Crystal structure and thermal properties of $[Au(en)_2]_2[Cu(C_2O_4)_2]_3 \cdot nH_2O$ . <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 924-929	0.9 4
69	Synergetic effect in PdAu/CeO <sub>2</sub> catalysts for the low-temperature oxidation of CO. <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 123-136	0.9 8
68	Low-temperature oxidation of carbon monoxide on Pd(Pt)/CeO <sub>2</sub> catalysts prepared from complex salts. <i>Kinetics and Catalysis</i> , <b>2011</b> , 52, 282-295	1.5 16
67	The relationship between properties of fluorinated graphite intercalates and matrix composition. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 104, 1077-1082	4.1 3
66	Bimetallic single-source precursors $[M(NH_3)_4][Co(C_2O_4)_2(H_2O)_2]_2 \cdot nH_2O$ ( $M = Pd, Pt$ ) for the one run synthesis of CoPd and CoPt magnetic nanoalloys. <i>Polyhedron</i> , <b>2011</b> , 30, 1305-1312	2.7 30
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36	Complex salts [Pd(NH <sub>3</sub> ) <sub>4</sub> ](ReO <sub>4</sub> ) <sub>2</sub> and [Pd(NH <sub>3</sub> ) <sub>4</sub> ](MnO <sub>4</sub> ) <sub>2</sub> : Synthesis, structure, and thermal properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2006</b> , 32, 374-379	1.6	9
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