

Yury Shubin

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187
papers

2,346
citations

25
h-index

36
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196
ext. papers

2,754
ext. citations

3.1
avg, IF

4.87
L-index

#	Paper	IF	Citations
187	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
186	Influence of Ni ₁₀ Co Catalyst Composition on Nitrogen Content in Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9048-9053	3.4	106
185	Copper on carbon materials: stabilization by nitrogen doping. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10574-10583	13	62
184	Fluorination of Arc-Produced Carbon Material Containing Multiwall Nanotubes. <i>Chemistry of Materials</i> , 2002 , 14, 1472-1476	9.6	61
183	Ni ₁₀ Mo and Co ₁₀ Mo 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
182	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
181	Stabilization of active sites in alloyed Pd ₁₀ Rh catalysts on γ -Al ₂ O ₃ support. <i>Catalysis Today</i> , 2014 , 238, 80-86	5.3	43
180	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
179	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
178	Preferential CO oxidation over bimetallic Pt ₁₀ Co catalysts prepared via double complex salt decomposition. <i>Chemical Engineering Journal</i> , 2012 , 207-208, 683-689	14.7	40
177	Fluorinated cage multiwall carbon nanoparticles. <i>Chemical Physics Letters</i> , 2000 , 322, 231-236	2.5	40
176	Catalytic Purification of Exhaust Gases Over Pd ₁₀ Rh Alloy Catalysts. <i>Topics in Catalysis</i> , 2013 , 56, 1008-1014.	4.3	39
175	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
174	Effect of Fe/Ni catalyst composition on nitrogen doping and field emission properties of carbon nanotubes. <i>Carbon</i> , 2008 , 46, 864-869	10.4	35
173	In situ synchrotron study of Au-Pd nanoporous alloy formation by single-source precursor thermolysis. <i>Nanotechnology</i> , 2012 , 23, 405302	3.4	34
172	Dimethylgold(III) carboxylates as new precursors for gold CVD. <i>Surface and Coatings Technology</i> , 2007 , 201, 9099-9103	4.4	34
171	Creation of nanosized holes in graphene planes for improvement of rate capability of lithium-ion batteries. <i>Nanotechnology</i> , 2018 , 29, 134001	3.4	33

170	Study of point defects in as-grown and annealed bismuth germanate single crystals. <i>Journal of Applied Crystallography</i> , 2005 , 38, 448-454	3.8	33
169	Bimetallic single-source precursors $[M(NH_3)_4][Co(C_2O_4)_2(H_2O)_2] \cdot 2H_2O$ (M=Pd, Pt) for the one run synthesis of CoPd and CoPt magnetic nanoalloys. <i>Polyhedron</i> , 2011 , 30, 1305-1312	2.7	30
168	Chemical vapor deposition and characterization of hafnium oxide films. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 685-687	3.9	30
167	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
166	Deposition of titanium dioxide from TTIP by plasma enhanced and remote plasma enhanced chemical vapor deposition. <i>Surface and Coatings Technology</i> , 2008 , 202, 4076-4085	4.4	28
165	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
164	Deposition of Au Thin Films and Nanoparticles by MOCVD. <i>Chemical Vapor Deposition</i> , 2012 , 18, 336-342		26
163	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
162	Catalytic synthesis of carbon nanotubes using Ni- and Co-doped calcium tartrates. <i>Carbon</i> , 2009 , 47, 1701-1707	1.7	25
161	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
160	Chemical vapor deposition of Pd/Cu alloy films from a new single source precursor. <i>Journal of Crystal Growth</i> , 2015 , 414, 130-134	1.6	21
159	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
158	Synthesis of nanostructured carbon fibers from chlorohydrocarbons over Bulk Ni-Cr Alloys. <i>Nanotechnologies in Russia</i> , 2014 , 9, 380-385	0.6	21
157	Growth of MoS ₂ layers on the surface of multiwalled carbon nanotubes. <i>Inorganic Materials</i> , 2007 , 43, 236-239	0.9	20
156	Anisotropic properties of carbonaceous material produced in arc discharge. <i>Applied Physics A: Materials Science and Processing</i> , 2001 , 72, 481-486	2.6	20
155	CO oxidation over fibreglasses with doped Cu-Ce-O catalytic layer prepared by surface combustion synthesis. <i>Applied Surface Science</i> , 2015 , 349, 21-26	6.7	19
154	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
153	The atomic and electron structure of ZrO ₂ . <i>Journal of Experimental and Theoretical Physics</i> , 2006 , 102, 799-809	1	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	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
150	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
149	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
148	Formation of Active Sites of Carbon Nanofibers Growth in Self-Organizing Ni/Pd Catalyst during Hydrogen-Assisted Decomposition of 1,2-Dichloroethane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 685-694	3.9	16
147	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
146	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
145	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
144	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
143	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
142	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
141	High-Pressure High-Temperature Synthesis of MoS ₂ /Holey Graphene Hybrids and Their Performance in Li-Ion Batteries. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700262	1.3	15
140	Perforation of graphite in boiling mineral acid. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2620-2634	1.3	15
139	Experimental redetermination of the Cu/Pd phase diagram. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 204-212	5.7	15
138	Graphitization of ¹³ C enriched fine-grained graphitic material under high-pressure annealing. <i>Carbon</i> , 2019 , 141, 323-330	10.4	15
137	Effect of Pd deposition procedure on activity of Pd/Ce _{0.5} Sn _{0.5} O ₂ catalysts for low-temperature CO oxidation. <i>Catalysis Communications</i> , 2016 , 73, 34-38	3.2	14
136	Effect of Mo on the catalytic activity of Ni-based self-organizing catalysts for processing of dichloroethane into segmented carbon nanomaterials. <i>Heliyon</i> , 2019 , 5, e02428	3.6	14
135	Preparation and Properties of Thin HfO ₂ Films. <i>Inorganic Materials</i> , 2005 , 41, 1300-1304	0.9	14

134	Study of effect of thermal annealing on crystalline perfection of bismuth germanate single crystals grown by low thermal gradient Czochralski method. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2002 , 217,	1	14
133	Synthesis of bimetallic AuPt/CeO ₂ catalysts and their comparative study in CO oxidation under different reaction conditions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 127, 69-83	1.6	13
132	Thermal activation of Pd/CeO ₂ -SnO ₂ catalysts for low-temperature CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119275	21.8	13
131	Thermally exfoliated fluorinated graphite for NO ₂ gas sensing. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2492-2498	1.3	13
130	Effect of in-plane size of MoS ₂ nanoparticles grown over multilayer graphene on the electrochemical performance of anodes in Li-ion batteries. <i>Electrochimica Acta</i> , 2018 , 283, 45-53	6.7	13
129	Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. <i>Journal of Materials Science</i> , 2018 , 53, 13053-13066	4.3	13
128	Multiscale characterization of ¹³ C-enriched fine-grained graphitic materials for chemical and electrochemical applications. <i>Carbon</i> , 2017 , 124, 161-169	10.4	13
127	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-tetrametyl-3,5-heptanedionato(-)). <i>Journal of Organometallic Chemistry</i> , 2012 , 698, 22-27	2.3	13
126	The relationship between properties of fluorinated graphite intercalates and matrix composition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 90, 399-405	4.1	13
125	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
124	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
123	Metal Ir coatings on endocardial electrode tips, obtained by MOCVD. <i>Applied Surface Science</i> , 2017 , 425, 1052-1058	6.7	12
122	Synthesis of [M(NH ₃) ₅ Cl](ReO ₄) ₂ (M = Cr, Co, Ru, Rh, Ir) and investigation of thermolysis products. Crystal structure of [Rh(NH ₃) ₅ Cl](ReO ₄) ₂ . <i>Journal of Structural Chemistry</i> , 2006 , 47, 1103-1110	0.9	12
121	Chlorination of perforated graphite via interaction with thionylchloride. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2613-2619	1.3	11
120	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
119	The equilibrium decomposition of AuPt solid solutions. <i>Journal of the Less Common Metals</i> , 1988 , 142, 213-219		11
118	Double complex salts [Pd(NH ₃) ₄] ₃ [Rh(NO ₂) ₆] ₂ , [Pd(NH ₃) ₄] ₃ [Rh(NO ₂) ₆] ₂ ·2H ₂ O as promising precursors to prepare Pd-Rh nanoalloys. <i>Journal of Structural Chemistry</i> , 2012 , 53, 527-533	0.9	10
117	Three new O,N-coordinated Ni(II) complexes: Syntheses, crystal structures, and MOCVD applications. <i>Journal of Organometallic Chemistry</i> , 2013 , 741-742, 122-130	2.3	10

116	Layered compounds based on perforated graphene. <i>Journal of Structural Chemistry</i> , 2011 , 52, 903-909	0.9	10
115	Heterometallic complexes of Co ²⁺ , Ni ²⁺ , and Zn ²⁺ with the [RuNO(NO ₂) ₄ OH] 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
114	X-ray photoelectron spectroscopy study of intercalated compounds of fluorinated graphite C ₂ F _x Br _{0.01} _y CH ₃ CN. <i>Journal of Structural Chemistry</i> , 2006 , 47, 930-938	0.9	10
113	Phase transitions of intercalation inclusion compounds C ₂ F _{0.92} Br _{0.01} _y CH ₃ CN in the temperature range 20-60°C. <i>Journal of Structural Chemistry</i> , 2006 , 47, 1141-1154	0.9	10
112	Powder X-ray diffraction study of the double complexes [M(NH ₃) ₅ Cl][M''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
111	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
110	Optical spectroscopy of Rh ³⁺ ions in the lanthanum-aluminum oxide systems. <i>Journal of Luminescence</i> , 2018 , 204, 609-617	3.8	10
109	Synthesis, crystal structures, and characterization of double complex salts [Au(en) ₂][Rh(NO ₂) ₆] ₂ H ₂ O and [Au(en) ₂][Rh(NO ₂) ₆]. <i>Journal of Molecular Structure</i> , 2015 , 1100, 174-179	3.4	9
108	Iron-filled multi-walled carbon nanotubes for terahertz applications: effects of interfacial polarization, screening and anisotropy. <i>Nanotechnology</i> , 2018 , 29, 174003	3.4	9
107	Comparative study of 1,2-dichloroethane decomposition over Ni-based catalysts with formation of filamentous carbon. <i>Catalysis Today</i> , 2018 , 301, 147-152	5.3	9
106	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
105	Magnetic anisotropy and order parameter in nanostructured CoPt particles. <i>Applied Physics Letters</i> , 2013 , 103, 152404	3.4	9
104	Relationship between properties of fluorinated graphite intercalates and matrix composition Part III. Intercalates with 1,2-dichloroethane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 501-505	4.1	9
103	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
102	Catalytic synthesis of segmented carbon filaments via decomposition of chlorinated hydrocarbons on Ni-Pt alloys. <i>Catalysis Today</i> , 2020 , 348, 102-110	5.3	9
101	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
100	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
99	Low temperature synthesis of RuTi alloy nanoparticles with the compositions in the miscibility gap. <i>Journal of Solid State Chemistry</i> , 2014 , 212, 42-47	3.3	8

98	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
97	The relationship between properties of fluorinated graphite intercalates and matrix composition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 163-169	4.1	8
96	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
95	Synthesis, Structure, and Thermal Decomposition of Chloropentamminerhodium(III) Hexabromoplatinate(IV). <i>Journal of Structural Chemistry</i> , 2002 , 43, 649-655	0.9	8
94	MO CVD obtaining composite coatings from metal of platinum group on titanium electrodes. <i>European Physical Journal Special Topics</i> , 2001 , 11, Pr3-593-Pr3-599		8
93	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
92	New SrPb ₃ Br ₈ crystals: Growth, crystal structure and optical properties. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 832-838	5.7	8
91	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
90	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
89	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
88	Structure of platinum coatings obtained by chemical vapor deposition. <i>Journal of Structural Chemistry</i> , 2015 , 56, 1215-1219	0.9	7
87	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> , 2014 , 6, 176-181	0.8	7
86	X-ray study of the thermolysis products of (NH ₄) ₂ [OsCl ₆] x [PtCl ₆] _{1-x} . <i>Journal of Structural Chemistry</i> , 2009 , 50, 1121-1125	0.9	7
85	Composites based on polyaniline and aligned carbon nanotubes. <i>Polymer Science - Series B</i> , 2010 , 52, 101-108	0.8	7
84	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
83	Deposition of Ni thin films from Ni(II) diketonates derivatives with 1,3-diaminopropane. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 1204-1211	3.9	6
82	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> , 2017 , 121, 413-423	1.6	6
81	Thermal decomposition of [Co(NH ₃) ₆][Fe(C ₂ O ₄) ₃] · 3H ₂ O in inert and reductive atmospheres. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1963-1966	1.7	6

80	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
79	Phase states and magnetic properties of iron nanoparticles in carbon nanotube channels. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 109, 254-261	1	6
78	Structure of Ir and Ir-Al ₂ O ₃ coatings obtained by chemical vapor deposition in the presence of oxygen. <i>Journal of Structural Chemistry</i> , 2010 , 51, 82-91	0.9	6
77	[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
76	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). <i>Russian Chemical Bulletin</i> , 2006 , 55, 429-434	1.7	6
75	Equilibrium solid solubilities in the Ag-Cu system by X-ray diffractometry. <i>Journal of Physics F: Metal Physics</i> , 1988 , 18, 2381-2386		6
74	On the constancy of the average crystal lattice parameter in the decay of the solid solutions PbS? PbTe. <i>Materials Research Bulletin</i> , 1984 , 19, 1355-1359	5.1	6
73	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> , 2021 , 866, 158778	5.7	6
72	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> , 2021 , 858, 158259	5.7	6
71	Bimetallic Pt,Ir-containing coatings formed by MOCVD for medical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 69	4.5	5
70	Room temperature synthesis of fluorinated graphite intercalation compounds with low fluorine loading of host matrix. <i>Journal of Fluorine Chemistry</i> , 2020 , 232, 109482	2.1	5
69	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
68	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
67	Equilibrium decomposition curve of Au?Ni solid solutions. <i>Journal of the Less Common Metals</i> , 1989 , 155, 319-326		5
66	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
65	The Attractiveness of the Ternary Rh-Pd-Pt Alloys for CO Oxidation Process. <i>Processes</i> , 2020 , 8, 928	2.9	5
64	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> , 2018 , 255, 1800202	1.3	5
63	Structural rearrangements of the first stage inclusion compound of fluorinated graphite with acetonitrile during isothermal deintercalation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 349-355	4.1	4

62	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
61	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> , 2015 , 12, 1053-1059		4
60	Formation of Mo ₂ S ₃ Layers on the Surface of Graphitic Platelets. <i>Key Engineering Materials</i> , 2012 , 508, 56-60	0.4	4
59	Crystal structure of [Pd(NH ₃) ₄] ₃ [Ir(NO ₂) ₆] ₂ ·H ₂ O. <i>Journal of Structural Chemistry</i> , 2011 , 52, 816-819	0.9	4
58	Crystal structure and thermal properties of [Au(en) ₂] ₂ [Cu(C ₂ O ₄) ₂] ₃ ·H ₂ O. <i>Journal of Structural Chemistry</i> , 2011 , 52, 924-929	0.9	4
57	Formation of nanosized bimetallic particles based on noble metals. <i>Catalysis in Industry</i> , 2010 , 2, 20-25	0.8	4
56	Growth of carbon nanotubes via chemical vapor deposition on Co catalyst nanoparticles dispersed in CaO. <i>Inorganic Materials</i> , 2008 , 44, 213-218	0.9	4
55	[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
54	X-ray powder diffraction study of the products of thermobaric treatment of the Re _{0.67} Rh _{0.33} solid solution. <i>Journal of Structural Chemistry</i> , 2008 , 49, 47-52	0.9	4
53	Fluorination of CN x Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005 , 12, 99-104	1.8	4
52	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
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