

Yury Shubin

List of Publications by Year in descending order

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194
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3,047
citations

185998

28
h-index

264894

42
g-index

196
all docs

196
docs citations

196
times ranked

2862
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Low-temperature CO oxidation by Pd/CeO ₂ catalysts synthesized using the coprecipitation method. Applied Catalysis B: Environmental, 2015, 166-167, 91-103. | 10.8 | 167 |
| 2 | Influence of Ni~Co Catalyst Composition on Nitrogen Content in Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 9048-9053. | 1.2 | 114 |
| 3 | Copper on carbon materials: stabilization by nitrogen doping. Journal of Materials Chemistry A, 2017, 5, 10574-10583. | 5.2 | 103 |
| 4 | 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. | 2.8 | 77 |
| 5 | Fluorination of Arc-Produced Carbon Material Containing Multiwall Nanotubes. Chemistry of Materials, 2002, 14, 1472-1476. | 3.2 | 70 |
| 6 | Title is missing!. Journal of Structural Chemistry, 2003, 44, 46-59. | 0.3 | 54 |
| 7 | One-pot reductive amination of aldehydes with nitroarenes over an Au/Al ₂ O ₃ catalyst in a continuous flow reactor. Catalysis Science and Technology, 2015, 5, 4741-4745. | 2.1 | 51 |
| 8 | Stabilization of active sites in alloyed Pd~Rh catalysts on γ -Al ₂ O ₃ support. Catalysis Today, 2014, 238, 80-86. | 2.2 | 49 |
| 9 | 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. | 2.2 | 48 |
| 10 | Catalytic Purification of Exhaust Gases Over Pd~Rh Alloy Catalysts. Topics in Catalysis, 2013, 56, 1008-1014. | 1.3 | 47 |
| 11 | Fluorinated cage multiwall carbon nanoparticles. Chemical Physics Letters, 2000, 322, 231-236. | 1.2 | 46 |
| 12 | Preferential CO oxidation over bimetallic Pt~Co catalysts prepared via double complex salt decomposition. Chemical Engineering Journal, 2012, 207-208, 683-689. | 6.6 | 46 |
| 13 | Vapour phase formic acid decomposition over PdAu/ γ -Al ₂ O ₃ catalysts: Effect of composition of metallic particles. Journal of Catalysis, 2013, 299, 171-180. | 3.1 | 45 |
| 14 | Thermal activation of Pd/CeO ₂ -SnO ₂ catalysts for low-temperature CO oxidation. Applied Catalysis B: Environmental, 2020, 277, 119275. | 10.8 | 43 |
| 15 | Chemical vapor deposition and characterization of hafnium oxide films. Journal of Physics and Chemistry of Solids, 2008, 69, 685-687. | 1.9 | 40 |
| 16 | Creation of nanosized holes in graphene planes for improvement of rate capability of lithium-ion batteries. Nanotechnology, 2018, 29, 134001. | 1.3 | 40 |
| 17 | <i>In situ</i> synchrotron study of Au~Pd nanoporous alloy formation by single-source precursor thermolysis. Nanotechnology, 2012, 23, 405302. | 1.3 | 37 |
| 18 | Study of point defects in as-grown and annealed bismuth germanate single crystals. Journal of Applied Crystallography, 2005, 38, 448-454. | 1.9 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Dimethylgold(III) carboxylates as new precursors for gold CVD. <i>Surface and Coatings Technology</i> , 2007, 201, 9099-9103. | 2.2 | 35 |
| 20 | Effect of Fe/Ni catalyst composition on nitrogen doping and field emission properties of carbon nanotubes. <i>Carbon</i> , 2008, 46, 864-869. | 5.4 | 35 |
| 21 | 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. | 1.2 | 34 |
| 22 | 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. | 1.0 | 33 |
| 23 | Silica, alumina and ceria supported Au-Cu nanoparticles prepared via the decomposition of $[Au(en)_2]_2[Cu(C_2O_4)_2]_3 \cdot 8H_2O$ single-source precursor: Synthesis, characterization and catalytic performance in CO PROX. <i>Catalysis Today</i> , 2014, 235, 103-111. | 2.2 | 33 |
| 24 | Catalytic conversion of 1,2-dichloroethane over Ni-Pd system into filamentous carbon material. <i>Catalysis Today</i> , 2017, 293-294, 23-32. | 2.2 | 32 |
| 25 | Co-Pt bimetallic catalysts for the selective oxidation of carbon monoxide in hydrogen-containing mixtures. <i>Kinetics and Catalysis</i> , 2007, 48, 276-281. | 0.3 | 30 |
| 26 | 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. | 2.2 | 30 |
| 27 | 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. | 1.5 | 30 |
| 28 | Deposition of Au Thin Films and Nanoparticles by MOCVD. <i>Chemical Vapor Deposition</i> , 2012, 18, 336-342. | 1.4 | 28 |
| 29 | Synthesis of nanostructured carbon fibers from chlorohydrocarbons over Bulk Ni-Cr Alloys. <i>Nanotechnologies in Russia</i> , 2014, 9, 380-385. | 0.7 | 28 |
| 30 | Catalytic synthesis of carbon nanotubes using Ni- and Co-doped calcium tartrates. <i>Carbon</i> , 2009, 47, 1701-1707. | 5.4 | 26 |
| 31 | Successful synthesis and thermal stability of immiscible metal Au-Rh, Au-Ir and Au-Ir-Rh nanoalloys. <i>Nanotechnology</i> , 2017, 28, 205302. | 1.3 | 26 |
| 32 | Anisotropic properties of carbonaceous material produced in arc discharge. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 72, 481-486. | 1.1 | 25 |
| 33 | 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. | 1.3 | 25 |
| 34 | 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. | 2.8 | 25 |
| 35 | 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. | 5.4 | 25 |
| 36 | Graphitization of ¹³ C enriched fine-grained graphitic material under high-pressure annealing. <i>Carbon</i> , 2019, 141, 323-330. | 5.4 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | 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. | 3.1 | 23 |
| 38 | Experimental redetermination of the Cu-Pd phase diagram. <i>Journal of Alloys and Compounds</i> , 2019, 777, 204-212. | 2.8 | 23 |
| 39 | The atomic and electron structure of ZrO ₂ . <i>Journal of Experimental and Theoretical Physics</i> , 2006, 102, 799-809. | 0.2 | 22 |
| 40 | Growth of MoS ₂ layers on the surface of multiwalled carbon nanotubes. <i>Inorganic Materials</i> , 2007, 43, 236-239. | 0.2 | 22 |
| 41 | Chemical vapor deposition of Pd/Cu alloy films from a new single source precursor. <i>Journal of Crystal Growth</i> , 2015, 414, 130-134. | 0.7 | 22 |
| 42 | 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. | 1.8 | 22 |
| 43 | 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. | 1.4 | 22 |
| 44 | Determination of the equilibrium miscibility gap in the Pd-Rh alloy system using metal nanopowders obtained by decomposition of coordination compounds. <i>Journal of Alloys and Compounds</i> , 2015, 622, 1055-1060. | 2.8 | 21 |
| 45 | 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. | 1.3 | 21 |
| 46 | 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. | 2.8 | 20 |
| 47 | Preparation and Properties of Thin HfO ₂ Films. <i>Inorganic Materials</i> , 2005, 41, 1300-1304. | 0.2 | 19 |
| 48 | 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. | 0.3 | 19 |
| 49 | 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. | 0.2 | 19 |
| 50 | 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. | 2.6 | 18 |
| 51 | 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. | 1.7 | 18 |
| 52 | 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. | 1.6 | 18 |
| 53 | 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. | 1.6 | 18 |
| 54 | 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. | 0.7 | 18 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. <i>Journal of Materials Science</i> , 2018, 53, 13053-13066. | 1.7 | 18 |
| 56 | 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, . | 0.4 | 17 |
| 57 | 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. | 0.3 | 17 |
| 58 | 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. | 2.6 | 17 |
| 59 | Prospect of Using Nanoalloys of Partly Miscible Rhodium and Palladium in Three-Way Catalysis. <i>Topics in Catalysis</i> , 2019, 62, 305-314. | 1.3 | 17 |
| 60 | Perforation of graphite in boiling mineral acid. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2620-2624. | 0.7 | 16 |
| 61 | Metal Ir coatings on endocardial electrode tips, obtained by MOCVD. <i>Applied Surface Science</i> , 2017, 425, 1052-1058. | 3.1 | 16 |
| 62 | The peculiarities of Au-Pt alloy nanoparticles formation during the decomposition of double complex salts. <i>Journal of Alloys and Compounds</i> , 2018, 740, 935-940. | 2.8 | 16 |
| 63 | 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. | 0.8 | 16 |
| 64 | Title is missing!. <i>Russian Chemical Bulletin</i> , 2002, 51, 41-45. | 0.4 | 15 |
| 65 | 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(-)), <i>Tj ETQq1 1 0.784334 rgBT 16</i> overlo | 0.3 | 15 |
| 66 | Double complex salts [Pd(NH ₃) ₄] ₃ [Rh(NO ₂) ₆] ₂ , [Pd(NH ₃) ₄] ₃ [Rh(NO ₂) ₆] ₂ ·H ₂ O as promising precursors to prepare Pd-Rh nanoalloys. <i>Journal of Structural Chemistry</i> , 2012, 53, 527-533. | 0.3 | 15 |
| 67 | Catalytic synthesis of segmented carbon filaments via decomposition of chlorinated hydrocarbons on Ni-Pt alloys. <i>Catalysis Today</i> , 2020, 348, 102-110. | 2.2 | 15 |
| 68 | 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. | 0.3 | 14 |
| 69 | Thermally exfoliated fluorinated graphite for NO ₂ gas sensing. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2492-2498. | 0.7 | 14 |
| 70 | The relationship between properties of fluorinated graphite intercalates and matrix composition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 399-405. | 2.0 | 13 |
| 71 | Low temperature synthesis of Ru-Cu alloy nanoparticles with the compositions in the miscibility gap. <i>Journal of Solid State Chemistry</i> , 2014, 212, 42-47. | 1.4 | 13 |
| 72 | Multiscale characterization of ¹³ C-enriched fine-grained graphitic materials for chemical and electrochemical applications. <i>Carbon</i> , 2017, 124, 161-169. | 5.4 | 13 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Double complex salts $[M(NH_3)_5Cl][M^{II}Br_4]$ ($M = Rh, Ir, Co, Cr, Ru$; $M^{II} = Pt, Pd$): Synthesis, x-ray diffraction characterization, and thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , 2006, 51, 202-209. | 0.3 | 12 |
| 74 | Phase transitions of intercalation inclusion compounds $C_2F_{0.92}Br_{0.08} \cdot yCH_3CN$ in the temperature range 20–260 °C. <i>Journal of Structural Chemistry</i> , 2006, 47, 1141-1154. | 0.3 | 12 |
| 75 | Heterometallic complexes of Co^{2+} , Ni^{2+} , and Zn^{2+} with the $[RuNO(NO_2)_4OH]^{2-}$ anion and pyridine: Synthesis, crystal structure, and thermolysis. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009, 35, 57-64. | 0.3 | 12 |
| 76 | 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. | 0.8 | 12 |
| 77 | Chlorination of perforated graphite via interaction with thionylchloride. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2613-2619. | 0.7 | 12 |
| 78 | Purification of gasoline exhaust gases using bimetallic Pd–Rh/Al ₂ O ₃ catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 137-148. | 0.8 | 12 |
| 79 | The equilibrium decomposition of Au–Pt solid solutions. <i>Journal of the Less Common Metals</i> , 1988, 142, 213-219. | 0.9 | 11 |
| 80 | 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. | 0.3 | 11 |
| 81 | Layered compounds based on perforated graphene. <i>Journal of Structural Chemistry</i> , 2011, 52, 903-909. | 0.3 | 11 |
| 82 | Magnetic anisotropy and order parameter in nanostructured CoPt particles. <i>Applied Physics Letters</i> , 2013, 103, . | 1.5 | 11 |
| 83 | 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. | 1.8 | 11 |
| 84 | New SrPb ₃ Br ₈ crystals: Growth, crystal structure and optical properties. <i>Journal of Alloys and Compounds</i> , 2016, 682, 832-838. | 2.8 | 11 |
| 85 | Iron-filled multi-walled carbon nanotubes for terahertz applications: effects of interfacial polarization, screening and anisotropy. <i>Nanotechnology</i> , 2018, 29, 174003. | 1.3 | 11 |
| 86 | Comparative study of 1,2-dichloroethane decomposition over Ni-based catalysts with formation of filamentous carbon. <i>Catalysis Today</i> , 2018, 301, 147-152. | 2.2 | 11 |
| 87 | Optical spectroscopy of Rh ³⁺ ions in the lanthanum-aluminum oxide systems. <i>Journal of Luminescence</i> , 2018, 204, 609-617. | 1.5 | 11 |
| 88 | 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. | 0.8 | 11 |
| 89 | Effect of La Addition on the Performance of Three-Way Catalysts Containing Palladium and Rhodium. <i>Topics in Catalysis</i> , 2020, 63, 152-165. | 1.3 | 11 |
| 90 | 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. | 2.8 | 11 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | 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. | 2.8 | 11 |
| 92 | Synthesis and thermal decomposition of the oxalatho cuprates(II) $[M(NH_3)_3]_4[Cu(C_2O_4)_2]_2 \cdot 3H_2O$, M = Pt, Pd. <i>Zeitschrift für Kristallographie, Supplement</i> , 2007, 2007, 289-295. | 0.5 | 11 |
| 93 | XRD investigation and thermal properties of $[Ir(NH_3)_6][Co(C_2O_4)_3] \cdot H_2O$ and $[Co(NH_3)_6][Ir(C_2O_4)_3] \cdot H_2O$ precursors for Co _{0.5} Ir _{0.5} . <i>Zeitschrift für Kristallographie, Supplement</i> , 2009, 2009, 263-268. | 0.5 | 11 |
| 94 | Title is missing!. <i>Journal of Structural Chemistry</i> , 2002, 43, 649-655. | 0.3 | 10 |
| 95 | X-ray photoelectron spectroscopy study of intercalated compounds of fluorinated graphite C ₂ F _x Br _{0.01} ·yCH ₃ CN. <i>Journal of Structural Chemistry</i> , 2006, 47, 930-938. | 0.3 | 10 |
| 96 | 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. | 2.0 | 10 |
| 97 | 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. | 2.0 | 10 |
| 98 | Structure of platinum coatings obtained by chemical vapor deposition. <i>Journal of Structural Chemistry</i> , 2015, 56, 1215-1219. | 0.3 | 10 |
| 99 | 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. | 0.7 | 10 |
| 100 | Synthesis of Filamentary Carbon Material on a Self-Organizing Ni-Pt Catalyst in the Course of 1,2-Dichloroethane Decomposition. <i>Kinetics and Catalysis</i> , 2018, 59, 363-371. | 0.3 | 10 |
| 101 | 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. | 0.8 | 10 |
| 102 | Pressure-Assisted Interface Engineering in MoS ₂ /Holey Graphene Hybrids for Improved Performance in Li-ion Batteries. <i>Energy Technology</i> , 2019, 7, 1900659. | 1.8 | 10 |
| 103 | Optical Spectroscopy Methods in the Estimation of the Thermal Stability of Bimetallic Pd-Rh/Al ₂ O ₃ Three-Way Catalysts. <i>Topics in Catalysis</i> , 2019, 62, 296-304. | 1.3 | 10 |
| 104 | The Attractiveness of the Ternary Rh-Pd-Pt Alloys for CO Oxidation Process. <i>Processes</i> , 2020, 8, 928. | 1.3 | 10 |
| 105 | X-ray diffraction reinvestigation of the Ni-Pt phase diagram. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161974. | 2.8 | 10 |
| 106 | Preparation of porous Co-Pt alloys for catalytic synthesis of carbon nanofibers. <i>Nanotechnology</i> , 2020, 31, 495604. | 1.3 | 10 |
| 107 | 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. | 0.2 | 9 |
| 108 | X-ray study of the thermolysis products of $(NH_4)_2[OsCl_6] \cdot x [PtCl_6] \cdot x$. <i>Journal of Structural Chemistry</i> , 2009, 50, 1121-1125. | 0.3 | 9 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | 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. | 0.3 | 9 |
| 110 | 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> , 2020, 61, 769-779. | 0.3 | 9 |
| 111 | Carbon Erosion of a Bulk Nickel–Copper Alloy as an Effective Tool to Synthesize Carbon Nanofibers from Hydrocarbons. <i>Kinetics and Catalysis</i> , 2022, 63, 97-107. | 0.3 | 9 |
| 112 | Equilibrium solid solubilities in the Ag-Cu system by X-ray diffractometry. <i>Journal of Physics F: Metal Physics</i> , 1988, 18, 2381-2386. | 1.6 | 8 |
| 113 | [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. | 0.3 | 8 |
| 114 | Composites based on polyaniline and aligned carbon nanotubes. <i>Polymer Science - Series B</i> , 2010, 52, 101-108. | 0.3 | 8 |
| 115 | The relationship between properties of fluorinated graphite intercalates and matrix composition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 163-169. | 2.0 | 8 |
| 116 | Synergetic effect in PdAu/CeO ₂ catalysts for the low-temperature oxidation of CO. <i>Journal of Structural Chemistry</i> , 2011, 52, 123-136. | 0.3 | 8 |
| 117 | The exchange interaction effects on magnetic properties of the nanostructured CoPt particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 236-241. | 1.0 | 8 |
| 118 | Catalytic behavior of bimetallic Ni–Fe 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. | 0.8 | 8 |
| 119 | Synthesis of Porous Nanostructured MoS ₂ Materials in Thermal Shock Conditions and Their Performance in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10802-10813. | 2.5 | 8 |
| 120 | Room temperature synthesis of fluorinated graphite intercalation compounds with low fluorine loading of host matrix. <i>Journal of Fluorine Chemistry</i> , 2020, 232, 109482. | 0.9 | 8 |
| 121 | Redox reactions between acetonitrile and nitrogen dioxide in the interlayer space of fluorinated graphite matrices. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10580-10590. | 1.3 | 8 |
| 122 | Equilibrium decomposition curve of Au–Ni solid solutions. <i>Journal of the Less Common Metals</i> , 1989, 155, 319-326. | 0.9 | 7 |
| 123 | Synthesis, structure, and thermal transformations of double complex salts [Au(C ₄ H ₁₃ N ₃)Cl][MCl ₆] · nH ₂ O (M = Ir, Pt; n = 0–2). <i>Russian Chemical Bulletin</i> , 2006, 55, 429-434. | 0.4 | 7 |
| 124 | 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. | 0.3 | 7 |
| 125 | Phase states and magnetic properties of iron nanoparticles in carbon nanotube channels. <i>Journal of Experimental and Theoretical Physics</i> , 2009, 109, 254-261. | 0.2 | 7 |
| 126 | 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. | 0.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Bimetallic Pt,Ir-containing coatings formed by MOCVD for medical applications. Journal of Materials Science: Materials in Medicine, 2019, 30, 69. | 1.7 | 7 |
| 128 | One-pot functionalization of catalytically derived carbon nanostructures with heteroatoms for toxic-free environment. Applied Surface Science, 2022, 590, 153055. | 3.1 | 7 |
| 129 | Water purification from chlorobenzenes using heteroatom-functionalized carbon nanofibers produced on self-organizing Ni-Pd catalyst. Journal of Environmental Chemical Engineering, 2022, 10, 107873. | 3.3 | 7 |
| 130 | On the constancy of the "average" crystal lattice parameter in the decay of the solid solutions PbS \rightarrow , PbTe. Materials Research Bulletin, 1984, 19, 1355-1359. | 2.7 | 6 |
| 131 | High-temperature X-ray diffraction study of thermolysis of the double complex salt [Rh(NH ₃) ₅ Cl][PtCl ₄]. Russian Chemical Bulletin, 2006, 55, 1109-1113. | 0.4 | 6 |
| 132 | Crystal structure of [Pd(NH ₃) ₄][Rh(NH ₃)(NO ₂) ₅]. Journal of Structural Chemistry, 2011, 52, 621-624. | 0.3 | 6 |
| 133 | Crystal structure of [Pd(NH ₃) ₄] ₃ [Ir(NO ₂) ₆] ₂ ·H ₂ O. Journal of Structural Chemistry, 2011, 52, 816-819. | 0.3 | 6 |
| 134 | Deposition of Ni thin films from Ni(II) β^2 -diketonates derivatives with 1,3-diaminopropane. Journal of Physics and Chemistry of Solids, 2013, 74, 1204-1211. | 1.9 | 6 |
| 135 | Synthesis of a bismuth germanium oxide source material for Bi ₄ Ge ₃ O ₁₂ crystal growth. Inorganic Materials, 2013, 49, 412-415. | 0.2 | 6 |
| 136 | Thermal decomposition of [Co(NH ₃) ₆][Fe(C ₂ O ₄) ₃]·3H ₂ O in inert and reductive atmospheres. Russian Chemical Bulletin, 2015, 64, 1963-1966. | 0.4 | 6 |
| 137 | Effect of Hot Pressing on the Electrochemical Performance of Multilayer Holey Graphene Materials in Li-ion Batteries. Physica Status Solidi (B): Basic Research, 2018, 255, 1800202. | 0.7 | 6 |
| 138 | Adsorption of 1,2-Dichlorobenzene on a Carbon Nanomaterial Prepared by Decomposition of 1,2-Dichloroethane on Nickel Alloys. Russian Journal of Applied Chemistry, 2020, 93, 1873-1882. | 0.1 | 6 |
| 139 | Metal dusting as a key route to produce functionalized carbon nanofibers. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 1387-1404. | 0.8 | 6 |
| 140 | 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. | 0.3 | 6 |
| 141 | Title is missing!. Journal of Structural Chemistry, 2002, 43, 643-648. | 0.3 | 5 |
| 142 | Fluorination of CN x Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 99-104. | 1.0 | 5 |
| 143 | Re-determination of the crystal structure and investigation of thermal decomposition of the Chugaev's salt, [Pt(NH ₃) ₅ Cl]Cl ₃ ·H ₂ O. Journal of Structural Chemistry, 2006, 47, 735-739. | 0.3 | 5 |
| 144 | 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. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2007, 33, 45-52. | 0.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Growth of carbon nanotubes via chemical vapor deposition on Co catalyst nanoparticles dispersed in CaO. <i>Inorganic Materials</i> , 2008, 44, 213-218. | 0.2 | 5 |
| 146 | Crystal structure and thermal properties of $[\text{Au}(\text{en})_2]_2[\text{Cu}(\text{C}_2\text{O}_4)_2]_3 \cdot 8\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2011, 52, 924-929. | 0.3 | 5 |
| 147 | Formation of MoS_2 Layers on the Surface of Graphitic Platelets. <i>Key Engineering Materials</i> , 0, 508, 56-60. | 0.4 | 5 |
| 148 | Copper–Palladium Phase Diagram. <i>Russian Journal of Inorganic Chemistry</i> , 2021, 66, 891-893. | 0.3 | 5 |
| 149 | Bromination of carbon nanohorns to improve sodium-ion storage performance. <i>Applied Surface Science</i> , 2022, 580, 152238. | 3.1 | 5 |
| 150 | On the "average" crystal lattice parameter in decomposition of $\text{CsBr}_{1-x}\text{Cs}$ solid solutions. <i>Journal of Solid State Chemistry</i> , 1987, 67, 191-196. | 1.4 | 4 |
| 151 | Correlation of the structural imperfection and morphology of $\text{Bi}_4\text{Ge}_3\text{O}_{12}$ crystals grown by the low-gradient Czochralski method. <i>Crystallography Reports</i> , 2004, 49, 175-179. | 0.1 | 4 |
| 152 | $[\text{Zn}(\text{NH}_3)_4][\text{PtCl}_6]$ and $[\text{Cd}(\text{NH}_3)_4][\text{PtCl}_6]$ as precursors for intermetallic compounds PtZn and PtCd. <i>Russian Journal of Inorganic Chemistry</i> , 2007, 52, 500-504. | 0.3 | 4 |
| 153 | X-ray powder diffraction study of the products of thermobaric treatment of the $\text{Re}_{0.67}\text{Rh}_{0.33}$ solid solution. <i>Journal of Structural Chemistry</i> , 2008, 49, 47-52. | 0.3 | 4 |
| 154 | Formation of nanosized bimetallic particles based on noble metals. <i>Catalysis in Industry</i> , 2010, 2, 20-25. | 0.3 | 4 |
| 155 | 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. | 0.3 | 4 |
| 156 | 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. | 0.8 | 4 |
| 157 | MOCVD growth and study of magnetic Co films. <i>Surface Engineering</i> , 2016, 32, 8-14. | 1.1 | 4 |
| 158 | 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. | 2.0 | 4 |
| 159 | Transformation of alumina-supported Pt-Au alloyed nanoparticles into core-shell Pt@Au structures during high-temperature treatment. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1. | 0.8 | 4 |
| 160 | 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> , 2020, 28, 335-341. | 1.0 | 4 |
| 161 | COMPLEX SALT $[\text{Pd}(\text{NH}_3)_4][\text{Pd}(\text{NH}_3)_3\text{NO}_2][\text{RhO}_3] \cdot \text{H}_2\text{O}$ AS A PROSPECTIVE PRECURSOR OF Pd–Rh NANOALLOYS. CRYSTAL STRUCTURE OF $\text{Na}_3[\text{RhO}_3] \cdot 4\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2021, 62, 782-793. | 0.3 | 4 |
| 162 | Study of nanoalloys formation mechanism from single-source precursors $[\text{M}(\text{NH}_3)_3]_5[\text{Cl}](\text{ReO}_4)_2$, M = Rh, Ir. <i>Zeitschrift für Kristallographie, Supplement</i> , 2007, 2007, 283-288. | 0.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | Interaction of chlorinated hydrocarbons with nichrome alloy: From surface transformations to complete dusting. <i>Surfaces and Interfaces</i> , 2022, 30, 101914. | 1.5 | 4 |
| 164 | Synthesis and crystal structure of $[\text{Cr}(\text{NH}_3)_5\text{Cl}][\text{PdCl}_4] \cdot \frac{1}{2}\text{H}_2\text{O}$. <i>Journal of Structural Chemistry</i> , 2004, 45, 523-526. | 0.3 | 3 |
| 165 | Investigation of phase interactions in C60 fullerite films during gas phase metal deposition. <i>Journal of Structural Chemistry</i> , 2004, 45, S76-S83. | 0.3 | 3 |
| 166 | The structural characteristics and homogeneity regions of solid phases in the digraphite fluoride-acetonitrile system. <i>Russian Journal of Physical Chemistry A</i> , 2006, 80, 1198-1204. | 0.1 | 3 |
| 167 | The relationship between properties of fluorinated graphite intercalates and matrix composition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 1077-1082. | 2.0 | 3 |
| 168 | Synthesis of bimetallic nanocompositions $\text{AuPd}_{1-x}/\text{Al}_2\text{O}_3$ for catalytic CO oxidation. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1. | 0.8 | 3 |
| 169 | Double complex salts $[\text{Au}(\text{En})_2][\text{Ir}(\text{NO}_2)_6] \cdot n\text{H}_2\text{O}$ ($n = 0, 2$), $[\text{Au}(\text{En})_2][\text{Ir}(\text{NO}_2)_6] \times [\text{Rh}(\text{NO}_2)_6] \cdot x \cdot n\text{H}_2\text{O}$ ($x = 0.25, 0.5, 0.75$): Synthesis, structure, thermal properties. <i>Russian Journal of Inorganic Chemistry</i> , 2017, 62, 12-21. | 0.3 | 3 |
| 170 | New Trends in Automotive Exhaust Gas Purification Materials: Improvement of the Support against Stability of the Active Components. <i>Materials Science Forum</i> , 0, 950, 185-189. | 0.3 | 3 |
| 171 | Synthesis of nitrogen doped segmented carbon nanofibers via metal dusting of Ni-Pd alloy. <i>Catalysis Today</i> , 2020, 388-389, 312-312. | 2.2 | 3 |
| 172 | Magnetic Properties of 1D Iron-Sulfur Compounds Formed Inside Single-Walled Carbon Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000291. | 1.2 | 3 |
| 173 | X-ray diffraction investigations of Ag_2ReCl_6 and Ag_2OsCl_6 . <i>Russian Chemical Bulletin</i> , 2000, 49, 1310-1312. | 0.4 | 2 |
| 174 | The study on electro-physical properties of sandwich structures based on fullerite films. , 0, , . | | 2 |
| 175 | Thermodynamic Approach to Optimization of SrTiO_3 Chemical Vapor Deposition from Volatile Metalorganic Precursors. <i>Inorganic Materials</i> , 2004, 40, 516-521. | 0.2 | 2 |
| 176 | Synthesis of CN_x nanotubes using catalysts prepared from zinc and nickel bimaleates. <i>Inorganic Materials</i> , 2007, 43, 945-950. | 0.2 | 2 |
| 177 | The role of intermolecular interactions in structure formation of host guest inclusion compounds based on a graphite fluoride polymer matrix. <i>Journal of Structural Chemistry</i> , 2009, 50, 754-760. | 0.3 | 2 |
| 178 | Formation of solid solutions in the Re-Rh system upon thermobaric treatment of nanosized metal powders. <i>Journal of Structural Chemistry</i> , 2011, 52, 505-509. | 0.3 | 2 |
| 179 | Domain structure of CoIr nanoalloys. <i>Powder Diffraction</i> , 2017, 32, S155-S159. | 0.4 | 2 |
| 180 | Design of Nanoalloyed Catalysts for Hydrogen Production Processes. <i>Nanobiotechnology Reports</i> , 2021, 16, 195-201. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | In situ synchrotron X-ray diffraction study of formation mechanism of Rh _{0.33} Re _{0.67} nanoalloy powder upon thermal decomposition of complex precursor. <i>Zeitschrift für Kristallographie, Supplement</i> , 2008, 2008, 185-192. | 0.5 | 2 |
| 182 | Experimental investigation of phase equilibria of the Ir-Pt binary system in subsolidus region. <i>Materials Today Communications</i> , 2022, 31, 103247. | 0.9 | 2 |
| 183 | Synthesis and Structure of Binary Complexes of Platinum Group Metals - Precursors of Metallic Materials. <i>ChemInform</i> , 2004, 35, no. | 0.1 | 1 |
| 184 | Synthesis and characterization of [Co(NH ₃) ₅ NO ₂][M(NO ₂) ₄] (M = Pt, Pd) compounds and their thermolysis products. <i>Russian Journal of Inorganic Chemistry</i> , 2006, 51, 521-530. | 0.3 | 1 |
| 185 | Investigation of thermal properties of double complex salts [M(NH ₃) ₅ Br][AuBr ₄] ₂ ·nH ₂ O, M = Rh, Ir. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 901-905. | 2.0 | 1 |
| 186 | Chemical Composition, Structure, and Functional Properties of the Coatings of Microchannel Plate Channels. <i>Journal of Surface Investigation</i> , 2019, 13, 451-455. | 0.1 | 1 |
| 187 | Single-source heterometallic precursors to MOCVD Pd Cu alloy films for energy and catalysis applications. , 2022, , 453-472. | | 1 |
| 188 | COMPLEX SALTS [Pd(NH ₃) ₄][Pd(NH ₃) ₃ NO ₂][CrO _x 3]·H ₂ O AND [Pd(NH ₃) ₄][Pd(NH ₃) ₃ NO ₂][CoO _x 3]·H ₂ O AND SOLID SOLUTIONS [Pd(NH ₃) ₄][Pd(NH ₃) ₃ NO ₂][CoO _x 3] _x [RhO _x 3] _{1-x} ·H ₂ O : PROMISING PRECURSORS FOR POROUS NANOALLOYS. <i>Journal of Structural Chemistry</i> , 2022, 63, 556-568. | 0.3 | 1 |
| 189 | Clathrate formation and phase equilibria in the thiourea-bromoform system. <i>Russian Journal of Physical Chemistry A</i> , 2008, 82, 1061-1065. | 0.1 | 0 |
| 190 | Phase equilibria in the thiourea-benzene system. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 724-728. | 0.1 | 0 |
| 191 | Synthesis and properties of (C ₂ F _x Br _{0.01} ·yCH ₃ COOC ₂ H ₅) _n (0.5 < x < 1.0) intercalation compounds. <i>Inorganic Materials</i> , 2013, 49, 528-533. | 0.2 | 0 |
| 192 | Ordering and magnetic properties of nanostructured CoPt particles. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 298-300. | 0.1 | 0 |
| 193 | Partial Miscibility of Metals as a Key for Improved Properties. <i>Materials Science Forum</i> , 2020, 998, 151-156. | 0.3 | 0 |
| 194 | SYNTHESIS, STRUCTURE, AND THERMAL PROPERTIES OF DOUBLE COMPLEX SALTS AS PRECURSORS OF NANOALLOYS OF IMMISCIBLE METALS. <i>Journal of Structural Chemistry</i> , 2022, 63, 353-377. | 0.3 | 0 |