

# Arcady V Ishchenko

## List of Publications by Year in descending order

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181  
papers

3,551  
citations

147801

31  
h-index

197818

49  
g-index

183  
all docs

183  
docs citations

183  
times ranked

3881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent-Free Method for Nanoparticles Synthesis by Solid-State Combustion Using Tetra(Imidazole)Copper(II) Nitrate. <i>Inorganics</i> , 2022, 10, 15.	2.7	1
2	Multicomponent MoVSbNbGdOx/SiO <sub>2</sub> catalyst in oxidative dehydrogenation of ethane: Effect of Gd on catalytic properties. <i>Applied Catalysis A: General</i> , 2022, 633, 118536.	4.3	7
3	CO <sub>x</sub> free catalytic decomposition of methane over solution combustion synthesis derived catalyst: Synthesis of hydrogen and carbon nanofibers. <i>International Journal of Energy Research</i> , 2022, 46, 11957-11971.	4.5	6
4	Graphitization of alumina as a way to stabilize its textural characteristics under hydrothermal conditions. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112038.	4.4	3
5	Spinel-type M <sub>x</sub> Cr <sub>3-x</sub> O <sub>4</sub> -based catalysts for ethanol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119656.	20.2	16
6	Structured catalysts with mesoporous nanocomposite active components for transformation of biogas/biofuels into syngas. <i>Catalysis Today</i> , 2021, 379, 166-180.	4.4	13
7	Oxidative dehydrogenation of ethane over M <sub>1</sub> MoVNbTeO catalysts modified by the addition of Nd, Mn, Ga or Ge. <i>Catalysis Today</i> , 2021, 361, 50-56.	4.4	9
8	The morphology evolution of polyethylene produced in the presence of a Ziegler-type catalyst anchored on the surface of multi-walled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50528.	2.6	2
9	Superparamagnetic behaviour of metallic Co nanoparticles according to variable temperature magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2723-2730.	2.8	10
10	Kinetic Regularities of Methane Dry Reforming Reaction on Nickel-Containing Modified Ceria-Zirconia. <i>Energies</i> , 2021, 14, 2973.	3.1	15
11	Nanostructured PtZn intermetallic compound: Controlled formation from PtZn(CH <sub>3</sub> COO) <sub>4</sub> molecular precursor and tests of catalytic properties. <i>Intermetallics</i> , 2021, 132, 107160.	3.9	6
12	Nitrogen and Oxygen Functionalization of Multi-Walled Carbon Nanotubes for Tuning the Bifunctional Oxygen Reduction/Oxygen Evolution Performance of Supported FeCo Oxide Nanoparticles. <i>ChemElectroChem</i> , 2021, 8, 2803-2816.	3.4	13
13	Synthesis, structure and photoluminescent properties of Eu:Gd <sub>2</sub> O <sub>3</sub> nanophosphor synthesized by cw CO <sub>2</sub> laser vaporization. <i>Journal of Luminescence</i> , 2021, 235, 118050.	3.1	13
14	Synthesis, structure and optical properties of the laser synthesized Al <sub>2</sub> O <sub>3</sub> nanopowders depending on the crystallite size and vaporization atmosphere. <i>Advanced Powder Technology</i> , 2021, 32, 2733-2742.	4.1	14
15	Catalytic Behavior of Iron-Containing Cubic Spinel in the Hydrolysis and Hydrothermolysis of Ammonia Borane. <i>Materials</i> , 2021, 14, 5422.	2.9	4
16	CO <sub>2</sub> Methanation: Nickel-Alumina Catalyst Prepared by Solid-State Combustion. <i>Materials</i> , 2021, 14, 6789.	2.9	8
17	New Solvent-Free Melting-Assisted Preparation of Energetic Compound of Nickel with Imidazole for Combustion Synthesis of Ni-Based Materials. <i>Nanomaterials</i> , 2021, 11, 3332.	4.1	3
18	Transport properties of Ca-doped Ln <sub>2</sub> NiO <sub>4</sub> for intermediate temperature solid oxide fuel cells cathodes and catalytic membranes for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13625-13642.	7.1	25

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19	Fe/Co/Ni mixed oxide nanoparticles supported on oxidized multi-walled carbon nanotubes as electrocatalysts for the oxygen reduction and the oxygen evolution reactions in alkaline media. <i>Catalysis Today</i> , 2020, 357, 259-268.	4.4	53
20	Size-dependent photoluminescence of europium in alumina nanoparticles synthesized by cw CO <sub>2</sub> laser vaporization. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152476.	5.5	14
21	Oxidative Dehydrogenation of Ethane on VMoTeNb <sub>2</sub> /SiO <sub>2</sub> Catalysts and the Effect of the Initial Support Compound on Their Physicochemical and Catalytic Properties. <i>Catalysis in Industry</i> , 2020, 12, 226-234.	0.7	0
22	Novel Ni/Ce(Ti)ZrO <sub>2</sub> Catalysts for Methane Dry Reforming Prepared in Supercritical Alcohol Media. <i>Energies</i> , 2020, 13, 3365.	3.1	13
23	The Formation of Perovskite during the Combustion of an Energy-Rich Glycine Nitrate Precursor. <i>Materials</i> , 2020, 13, 5091.	2.9	6
24	Structural, Textural, and Catalytic Properties of Ni-Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> Catalysts for Methane Dry Reforming Prepared by Continuous Synthesis in Supercritical Isopropanol. <i>Energies</i> , 2020, 13, 3728.	3.1	6
25	Quantum Size Effect in Bimetallic Nanoparticles Obtained via Thermolysis of Solid Solutions of Co(II), Ni(II), Zn(II) Salts of Maleic Acid. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 2108-2114.	0.6	2
26	Laser vaporized CrOx/Al <sub>2</sub> O <sub>3</sub> nanopowders as a catalyst for isobutane dehydrogenation. <i>Materials Characterization</i> , 2020, 169, 110664.	4.4	12
27	Chemical Vapor Deposition of Silicon Nanoparticles on the Surface of Multiwalled Carbon Nanotubes. <i>Journal of Structural Chemistry</i> , 2020, 61, 617-627.	1.0	5
28	Using Current-Voltage Characteristics to Control the Structure of Contacts in Polyethylene Based Composites Modified by Multiwalled Carbon Nanotubes. <i>Journal of Structural Chemistry</i> , 2020, 61, 628-639.	1.0	4
29	Mono-, Bi-, and Trimetallic Catalysts for the Synthesis of Multiwalled Carbon Nanotubes Based on Iron Subgroup Metals. <i>Journal of Structural Chemistry</i> , 2020, 61, 640-651.	1.0	16
30	Effect of the Conditions of Solution Combustion Synthesis on the Properties of Monolithic Pt-MnO <sub>x</sub> Catalysts for Deep Oxidation of Hydrocarbons. <i>Kinetics and Catalysis</i> , 2020, 61, 809-823.	1.0	3
31	Electrophysical Properties of Composites Based on Polyethylene Modified with Multi-Walled Carbon Nanotubes with High Content of Fe-Co-Catalyst. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 586-594.	0.5	3
32	New Multicomponent MoVSbNbCeO <sub>x</sub> /SiO <sub>2</sub> Catalyst with Enhanced Catalytic Activity for Oxidative Dehydrogenation of Ethane to Ethylene. <i>ChemCatChem</i> , 2020, 12, 4149-4159.	3.7	14
33	Co/multi-walled carbon nanotubes as highly efficient catalytic nanoreactor for hydrogen production from formic acid. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19420-19430.	7.1	21
34	Structure Formation of Zinc-Substituted Hydroxyapatite during Mechanochemical Synthesis. <i>Inorganic Materials</i> , 2020, 56, 402-408.	0.8	17
35	Structural and electromagnetic properties of Fe <sub>2</sub> Co-multi-walled carbon nanotubes-polystyrene based composite. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156107.	5.5	16
36	Luminescence of monoclinic Y <sub>2</sub> O <sub>3</sub> :Eu nanophosphor produced via laser vaporization. <i>Optical Materials</i> , 2020, 104, 109843.	3.6	19

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37	La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> /LaAlO <sub>3</sub> composite prepared by mixing precipitated precursors: Evolution of its structure under sintering. <i>Materials Chemistry and Physics</i> , 2020, 251, 123093.	4.0	12
38	Comparative Analysis of Physicochemical Properties of Rutile TiO <sub>2</sub> with Hierarchical 3D Architecture Prepared by Liquid Hydrolysis of TiCl <sub>4</sub> and Hydrothermal Method. <i>Eurasian Chemico-Technological Journal</i> , 2020, 22, 165.	0.6	0
39	Effect of Pd- precursor and support acid properties on the Pd electronic state and the hydrodesulfurization activity of Pd-zeolite catalysts. <i>Catalysis Today</i> , 2019, 323, 257-270.	4.4	19
40	Features of the Thermolysis of Fe(II), Co(II), Ni(II), and Cu(II) Salts of Maleic and Phthalic Acids with the Formation of Metal Nanoparticles. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 1327-1332.	0.6	3
41	Synthesis of Highly Dispersed 2D Aluminum Cobalt Oxyhydroxide Compounds Based on Microwave-Activation Products of Crystalline Gibbsite. <i>Inorganic Materials</i> , 2019, 55, 380-389.	0.8	2
42	In situ Study of Structural Transformations of the Active Phase of VMoNbTeO Catalysts under Reduction Conditions. <i>Journal of Structural Chemistry</i> , 2019, 60, 1599-1611.	1.0	3
43	Effect of Glycine Addition on Physicochemical and Catalytic Properties of Mn, Mn-La and Mn-Ce Monolithic Catalysts Prepared by Solution Combustion Synthesis. <i>Catalysis Letters</i> , 2019, 149, 2535-2551.	2.6	8
44	Combustion characteristics and structure of carbon nanotube/titanium composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1903-1910.	3.6	5
45	Structure, oxygen transport properties and electrode performance of Ca-substituted Nd <sub>2</sub> NiO <sub>4</sub> . <i>Solid State Ionics</i> , 2019, 335, 53-60.	2.7	33
46	Morphological, Structural, and Catalytic Properties of Pd-CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Compositions and Thereof Coatings in the Oxidation of Methane. <i>Catalysis in Industry</i> , 2019, 11, 323-334.	0.7	0
47	Effects of the Carbon Support Doping with Nitrogen for the Hydrogen Production from Formic Acid over Ni Catalysts. <i>Energies</i> , 2019, 12, 4111.	3.1	20
48	Oxygen transport properties of Ca-doped Pr <sub>2</sub> NiO <sub>4</sub> . <i>Solid State Ionics</i> , 2018, 317, 234-243.	2.7	32
49	Fast hydrogen generation from solid NH <sub>3</sub> BH <sub>3</sub> under moderate heating and supplying a limited quantity of CoCl <sub>2</sub> or NiCl <sub>2</sub> solution. <i>Renewable Energy</i> , 2018, 121, 722-729.	8.9	16
50	Temperature Hysteresis in the Reaction of Methane Oxidation on a Palladium-Doped Manganese Hexaaluminate Catalyst. <i>Kinetics and Catalysis</i> , 2018, 59, 70-82.	1.0	2
51	Transport features in layered nickelates: correlation between structure, oxygen diffusion, electrical and electrochemical properties. <i>Ionics</i> , 2018, 24, 1181-1193.	2.4	35
52	Fe-Mo and Co-Mo Catalysts with Varying Composition for Multi-Walled Carbon Nanotube Growth. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700260.	1.5	26
53	Amorphous ferromagnetic cobalt-boron composition reduced by sodium borohydride: Phase transformation at heat-treatment and its influence on the catalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 485-494.	4.7	7
54	Production of nanoscale crystalline materials (Si, SiC) by a highly efficient hyperbaric method. <i>Journal of Physics: Conference Series</i> , 2018, 1128, 012100.	0.4	0

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55	The method of producing of nano-dimensional silicon carbide by compressing in a cyclic chemical reactor. <i>Journal of Physics: Conference Series</i> , 2018, 1115, 042043.	0.4	0
56	The evolution of the M1 local structure during preparation of VMoNbTeO catalysts for ethane oxidative dehydrogenation to ethylene. <i>RSC Advances</i> , 2018, 8, 35903-35916.	3.6	25
57	Production of nano-dimensional crystalline silicon on fast cyclic compression setup. <i>Journal of Physics: Conference Series</i> , 2018, 1105, 012136.	0.4	1
58	Thermal Decomposition in Systems of Acid Zn(II), Co(II), and Ni(II) Maleates with the Formation of Metallic Nanoparticles. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 2247-2252.	0.6	7
59	Novel proton-conducting nanocomposites for hydrogen separation membranes. <i>Solid State Ionics</i> , 2018, 322, 69-78.	2.7	16
60	Structure of the in situ produced polyethylene based composites modified with multi-walled carbon nanotubes: In situ synchrotron X-ray diffraction and differential scanning calorimetry study. <i>Composites Science and Technology</i> , 2018, 167, 148-154.	7.8	28
61	Specific structural features of LnZrOx (Ln: La, Sm) mixed oxides prepared by different methods. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 437-446.	4.4	4
62	Highly dispersed Rh-, Pt-, Ru/Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> catalysts prepared by sorption-hydrolytic deposition for diesel fuel reforming to syngas. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 237-244.	20.2	69
63	Co metal nanoparticles deposition inside or outside multi-walled carbon nanotubes via facile support pretreatment. <i>Applied Surface Science</i> , 2018, 456, 657-665.	6.1	29
64	Thermal decomposition of solid solutions in systems of Fe(II), Co(II), and Ni(II) hydrogen maleates with the formation of bimetallic nanoparticles. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 136-140.	0.6	4
65	Effect of Bi on catalytic performance and stability of MoVTeNbO catalysts in oxidative dehydrogenation of ethane. <i>Applied Catalysis A: General</i> , 2017, 534, 58-69.	4.3	40
66	Copper on carbon materials: stabilization by nitrogen doping. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10574-10583.	10.3	103
67	Magnetic and dielectric properties of carbon nanotubes with embedded cobalt nanoparticles. <i>Carbon</i> , 2017, 114, 39-49.	10.3	45
68	Cobalt-boron catalyst for NaBH <sub>4</sub> hydrolysis: The state of the active component forming from cobalt chloride in a reaction medium. <i>Molecular Catalysis</i> , 2017, 441, 100-108.	2.0	36
69	Oxidative dehydrogenation of ethane on VMoTeNbO/Al <sub>2</sub> SiO catalysts: Effect of the support on the physicochemical and catalytic properties. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 1136-1142.	0.5	2
70	Regularities of thermolysis for the Fe(II), Co(II), and Ni(II) salts of maleic and ortho-phthalic acids with the formation of metal/polymer composites. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 446-452.	1.0	7
71	Sol-gel synthesis of 2D and 3D nanostructured YSZ:Yb <sup>3+</sup> ceramics. <i>Inorganic Materials</i> , 2017, 53, 540-547.	0.8	1
72	Effect of Pt addition on sulfur dioxide and water vapor tolerance of Pd-Mn-hexaaluminate catalysts for high-temperature oxidation of methane. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 89-106.	20.2	71

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73	The Nature of Synergetic Effect of Manganese Oxide and Platinum in Pt-MnOx-Alumina Oxidation Catalysts. Topics in Catalysis, 2017, 60, 52-72.	2.8	16
74	Methane dry reforming over Ni catalysts supported on Ce-Zr oxides prepared by a route involving supercritical fluids. Open Chemistry, 2017, 15, 412-425.	1.9	13
75	Synthesis, physicochemical and catalytic properties of Ni/PrCeZrO catalysts for water-gas shift reaction. Catalysis for Sustainable Energy, 2017, 4, .	0.7	1
76	Sm-doped praseodymium nickelates-cobaltites and their nanocomposites with Y-doped ceria as promising cathode materials. Integrated Ferroelectrics, 2016, 173, 71-81.	0.7	1
77	Mechanochemical Synthesis of SiO <sub>4</sub> <sup>4-</sup> -Substituted Hydroxyapatite, Part III - Thermal Stability. European Journal of Inorganic Chemistry, 2016, 2016, 1866-1874.	2.0	5
78	Effect of SiO <sub>2</sub> on the physicochemical and catalytic properties of VMoTeNb catalyst in oxidative conversion of ethane. Russian Journal of Applied Chemistry, 2016, 89, 1279-1285.	0.5	4
79	In situ powder X-ray diffraction study of the process of NiMoO <sub>4</sub> -SiO <sub>2</sub> reduction with hydrogen. Journal of Structural Chemistry, 2016, 57, 955-961.	1.0	3
80	Ni-loaded nanocrystalline ceria-zirconia solid solutions prepared via modified Pechini route as stable to coking catalysts of CH <sub>4</sub> dry reforming. Open Chemistry, 2016, 14, 363-376.	1.9	23
81	Towards the optimization of carbon nanotube properties via in situ and ex situ studies of the growth mechanism. Journal of Structural Chemistry, 2016, 57, 1436-1443.	1.0	4
82	A novel approach to the synthesis of silicocarnotite. Materials Letters, 2016, 164, 255-259.	2.6	12
83	Ethanol selective oxidation into syngas over Pt-promoted fluorite-like oxide: SSITKA and pulse microcalorimetry study. Catalysis Today, 2016, 278, 157-163.	4.4	8
84	Thermolysis characteristics of salts of o-phthalic acid with the formation of Fe, Co, Ni, Cu metal particles. Russian Journal of Physical Chemistry A, 2016, 90, 1206-1211.	0.6	5
85	Structure and properties of Pd-Mn hexaaluminate catalysts modified with platinum for the high-temperature oxidation of methane. Kinetics and Catalysis, 2016, 57, 528-539.	1.0	5
86	The Effect of Heat-Treatment Temperature of Cobalt-Boron Catalysts on Their Activity in Sodium Borohydride Hydrolysis. Topics in Catalysis, 2016, 59, 1431-1437.	2.8	11
87	Design of functionally graded multilayer thermal barrier coatings for gas turbine application. Surface and Coatings Technology, 2016, 295, 20-28.	4.8	39
88	A modified glycine-nitrate combustion method for one-step synthesis of LaFeO <sub>3</sub> . Advanced Powder Technology, 2016, 27, 496-503.	4.1	31
89	Structural and transport properties of doped LAMOX Electrolytes for IT SOFC. Solid State Ionics, 2016, 288, 103-109.	2.7	16
90	Peptides on the Surface: Spin-Label EPR and PELDOR Study of Adsorption of the Antimicrobial Peptides Trichogin GA IV and Ampullosporin A on the Silica Nanoparticles. Applied Magnetic Resonance, 2016, 47, 309-320.	1.2	20

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91	The effect of microwave sintering on stability and oxygen mobility of praseodymium nickelates-cobaltites and their nanocomposites. <i>Solid State Ionics</i> , 2016, 288, 76-81.	2.7	13
92	Effect of K and Bi doping on the M1 phase in MoVTeNbO catalysts for ethane oxidative conversion to ethylene. <i>Applied Catalysis A: General</i> , 2016, 514, 1-13.	4.3	53
93	Photoluminescence of Cr <sup>3+</sup> in nanostructured Al <sub>2</sub> O <sub>3</sub> synthesized by evaporation using a continuous wave CO <sub>2</sub> laser. <i>RSC Advances</i> , 2016, 6, 2072-2078.	3.6	23
94	Structure of Copper Oxide Species Supported on Monoclinic Zirconia. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28828-28835.	3.1	34
95	Structured nanocomposite catalysts of biofuels transformation into syngas and hydrogen: Design and performance. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7511-7522.	7.1	26
96	The structure and texture genesis of apatite-type lanthanum silicates during their synthesis by co-precipitation. <i>Ceramics International</i> , 2015, 41, 13393-13408.	4.8	11
97	Structural features of promoted MoVTeNbO catalysts for the oxidative dehydrogenation of ethane. <i>Kinetics and Catalysis</i> , 2015, 56, 788-795.	1.0	3
98	Structured catalysts for steam/autothermal reforming of biofuels on heat-conducting substrates: Design and performance. <i>Catalysis Today</i> , 2015, 251, 19-27.	4.4	24
99	Oxygen mobility and surface reactivity of PrNi <sub>1-x</sub> CoxO <sub>3</sub> perovskites and their nanocomposites with Ce <sub>0.9</sub> Y <sub>0.1</sub> O <sub>2</sub> by temperature-programmed isotope exchange experiments. <i>Solid State Ionics</i> , 2015, 273, 35-40.	2.7	18
100	A solid glycine-based precursor for the preparation of La <sub>2</sub> CuO <sub>4</sub> by combustion method. <i>Ceramics International</i> , 2015, 41, 1869-1878.	4.8	15
101	Carbon Dioxide Conversion of Methane into Synthesis-Gas on Glass Cloth Catalysts. <i>Eurasian Chemico-Technological Journal</i> , 2015, 12, 97.	0.6	5
102	Maleates of Mn(II), Fe(II), Co(II), and Ni(II) as precursors for synthesis of metal-polymer composites. <i>Russian Journal of Inorganic Chemistry</i> , 2014, 59, 1180-1186.	1.3	12
103	A TEM study of MoVTe(Nb) oxide catalysts for the selective conversion of propane. <i>Journal of Structural Chemistry</i> , 2014, 55, 962-971.	1.0	4
104	Raman spectra for characterization of defective CVD multi-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2444-2450.	1.5	81
105	Change in sizes of carbon aggregates and primary particles of the onion-like carbon synthesized by high-temperature annealing of nanodiamond. <i>Russian Chemical Bulletin</i> , 2014, 63, 599-604.	1.5	2
106	The structure and catalytic properties of amorphous phase in MoVTeO catalysts for propane ammoxidation. <i>Applied Catalysis A: General</i> , 2014, 476, 91-102.	4.3	16
107	Mechanochemical Synthesis of Hydroxyapatite and Its Modifications: Composition, Structure, and Properties. <i>Russian Physics Journal</i> , 2014, 56, 1176-1182.	0.4	11
108	Comparative study of multiwalled carbon nanotube/polyethylene composites produced via different techniques. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2437-2443.	1.5	21

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109	Mechanochemical Synthesis of $\text{SiO}_4$ -Substituted Hydroxyapatite, Part I Kinetics of Interaction between the Components. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4803-4809.	2.0	25
110	A small-angle x-ray scattering study of the nanostructural features of high-ash carbon materials. <i>Journal of Structural Chemistry</i> , 2014, 55, 750-756.	1.0	1
111	Preparation of a copper-polymer composite through the thermolysis of copper(II) succinate. <i>Inorganic Materials</i> , 2014, 50, 945-950.	0.8	2
112	Interrelation between catalytic activity for oxygen electroreduction and structure of supported platinum. <i>Journal of Electroanalytical Chemistry</i> , 2014, 729, 34-42.	3.8	14
113	Mechanochemical Synthesis of $\text{SiO}_4$ -Substituted Hydroxyapatite, Part II Reaction Mechanism, Structure, and Substitution Limit. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4810-4825.	2.0	40
114	Synthesis and physicochemical and catalytic properties of apatite-type lanthanum silicates. <i>Kinetics and Catalysis</i> , 2014, 55, 361-371.	1.0	4
115	Oxygen mobility and surface reactivity of $\text{PrNi}_{1-x}\text{Co}_x\text{O}_3$ - $\text{Ce}_{0.9}\text{Y}_{0.1}\text{O}_2$ cathode nanocomposites. <i>Solid State Ionics</i> , 2014, 262, 707-712.	2.7	20
116	Structural Features and Transport Properties of $\text{La}(\text{Sr})\text{Fe}_{1-x}\text{Ni}_x\text{O}_{3-\delta}$ - $\text{Ce}_{0.9}\text{Gd}_{0.1}\text{O}_{2-\delta}$ Nanocomposites Advanced Materials for IT SOFC Cathodes. <i>Heat Transfer Engineering</i> , 2013, 34, 904-916.	1.9	8
117	Investigation of Fe-Co catalyst active component during multi-walled carbon nanotube synthesis by means of synchrotron radiation X-ray diffraction. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 155-158.	0.6	12
118	Thermolysis of copper(II) salts of maleic acid. Synthesis of metal-polymer composites. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013, 39, 415-420.	1.0	11
119	Functional nanoceramics for intermediate temperature solid oxide fuel cells and oxygen separation membranes. <i>Journal of the European Ceramic Society</i> , 2013, 33, 2241-2250.	5.7	30
120	Reinforcement of CVD grown multi-walled carbon nanotubes by high temperature annealing. <i>AIP Advances</i> , 2013, 3, .	1.3	22
121	Preparation of metal-polymer composites through the thermolysis of Fe(II), Co(II), and Ni(II) maleates. <i>Inorganic Materials</i> , 2013, 49, 1055-1060.	0.8	21
122	Raman Spectra for Characterization of Onion-Like Carbon. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 106-109.	0.5	19
123	Mechanochemical synthesis of modified hydroxyapatite as a material for implant coating. , 2012, , .		0
124	Structural and Physical Properties of MWNT/Polyolefine Composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 510-518.	2.1	25
125	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 527-530.	2.1	3
126	Oxidation behavior of multiwall carbon nanotubes with different diameters and morphology. <i>Applied Surface Science</i> , 2012, 258, 6272-6280.	6.1	124



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127	Unusual bulk amorphization of gibbsite into atomic size aluminum-oxygen complexes occurring within initial microcrystals under microwave radiation. Doklady Physical Chemistry, 2012, 445, 128-133.	0.9	4
128	Syngas production by CO <sub>2</sub> reforming of methane using LnFeNi(Ru)O <sub>3</sub> perovskites as precursors of robust catalysts. Catalysis Science and Technology, 2012, 2, 2099.	4.1	32
129	Synthesis of Nanoscale $\text{TiO}_2$ and Study of the Effect of Their Crystal Structure on Single Cell Response. Scientific World Journal, The, 2012, 2012, 1-14.	2.1	17
130	Platinum nanoparticles supported on nitrogen-containing carbon nanofibers. Catalysis Today, 2012, 186, 42-47.	4.4	33
131	Structure and Electrophysical Properties of Multiwalled Carbon Nanotube/Polymethylmethacrylate Composites Prepared via Coagulation Technique. Nanoscience and Nanotechnology Letters, 2011, 3, 18-23.	0.4	9
132	Studies of oxygen transport mechanism in electrolytes based on doped lanthanum silicate with apatite structure using techniques of oxygen isotopic heteroexchange and impedance spectroscopy. Russian Journal of Electrochemistry, 2011, 47, 427-441.	0.9	8
133	Design and characterization of LSM/ScCeSZ nanocomposite as mixed ionic-electronic conducting material for functionally graded cathodes of solid oxide fuel cells. Solid State Ionics, 2011, 192, 540-546.	2.7	15
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