Alexander Baranchikov

List of Publications by Year
in descending order

328	4,210	172457	223800
papers	citations	29 h-index	46 g-index

340	340	340	4571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interfacial self-assembly of porphyrin-based SURMOF/graphene oxide hybrids with tunable pore size: An approach toward size-selective ambivalent heterogeneous photocatalysts. Applied Surface Science, 2022, 579, 152080.	6.1	13
2	A photonic crystal material for the online detection of nonpolar hydrocarbon vapors. Beilstein Journal of Nanotechnology, 2022, 13, 127-136.	2.8	2
3	Amorphous and crystalline cerium(<scp>iv</scp>) phosphates: biocompatible ROS-scavenging sunscreens. Journal of Materials Chemistry B, 2022, 10, 1775-1785.	5.8	3
4	Development of pseudocapacitive materials based on cobalt and iron oxide compounds for an asymmetric energy storage device. Electrochimica Acta, 2022, 410, 139999.	5.2	3
5	Functionalization of Aerogels with Coordination Compounds. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2022, 48, 89-117.	1.0	11
6	Photocatalytic Activity of Fluorinated Titanium Dioxide in Ozone Decomposition. Russian Journal of Applied Chemistry, 2022, 95, 118-125.	0.5	1
7	Morphology and Structure of a Charge of Detonation Nanodiamond Doped with Boron. Glass Physics and Chemistry, 2022, 48, 43-49.	0.7	1
8	Microhotplate catalytic sensors based on porous anodic alumina: Operando study of methane response hysteresis. Sensors and Actuators B: Chemical, 2021, 330, 129307.	7.8	18
9	Engineering SiO2â€“TiO2 binary aerogels for sun protection and cosmetic applications. Journal of Supercritical Fluids, 2021, 169, 105099.	3.2	12
10	The Structure and Properties of TiO2 Nanopowders for Use in Agricultural Technologies. Biointerface Research in Applied Chemistry, 2021, 11, 12285-12300.	1.0	4
11	Wetting of grain boundary triple junctions by intermetallic delta-phase in the Cuâ€“In alloys. Journal of Materials Science, 2021, 56, 7840-7848.	3.7	22
12	Surface-enhanced Raman scattering in ETPTA inverse photonic crystals with gold nanoparticles. Physical Chemistry Chemical Physics, 2021, 23, 20275-20281.	2.8	6
13	Immobilization of Heterocycle-Appended Porphyrins on UiO-66 and UiO-67 MOFs. Russian Journal of Inorganic Chemistry, 2021, 66, 193-201.	1.3	8
14	Layered Rare Earth Hydroxides React with Formamide to Give [Ln(HCOO)3 Â· 2(HCONH2)]. Russian Journal of Inorganic Chemistry, 2021, 66, 125-132.	1.3	5
15	Extraction Reprocessing of Fe,Ni-Containing Parts of Niâ€“MH Batteries. Russian Journal of Inorganic Chemistry, 2021, 66, 266-272.	1.3	7
16	Lowâ€temperature phase formation in the SrF₂â€“LaF₃ system. Journal of the American Ceramic Society, 2021, 104, 2836-2848.	3.8	8
17	Selective Synthesis of Manganese Dioxide Polymorphs by the Hydrothermal Treatment of Aqueous KMnO4 Solutions. Russian Journal of Inorganic Chemistry, 2021, 66, 146-152.	1.3	11
18	Photonic and plasmonic effects in inverse opal films with Au nanoparticles. Photonics and Nanostructures - Fundamentals and Applications, 2021, 43, 100899.	2.0	4

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19	The Effect of Sulfating Agent Nature on the Catalytic Activity Tin Dioxide Aerogel. Russian Journal of Inorganic Chemistry, 2021, 66, 288-293.	1.3	1
20	Development and Research on Ion-Conducting Membranes Based on Cross-Linked Polyvinyl Alcohol. Glass Physics and Chemistry, 2021, 47, 173-180.	0.7	1
21	Hierarchical highly porous composite ceramic material modified by hydrophobic methyltrimetoxysilane-based aerogel. Journal of Porous Materials, 2021, 28, 1237-1244.	2.6	5
22	Selective Synthesis of Î³-WO3 and Î²-WO3â‹…H2O by the Hydrothermal Treatment of Peroxotungstic Acid. Russian Journal of Inorganic Chemistry, 2021, 66, 496-501.	1.3	4
23	Hydrophobization of organic resorcinol-formaldehyde aerogels by fluoroacylation. Journal of Fluorine Chemistry, 2021, 244, 109742.	1.7	8
24	Structure, Properties, and Phytoprotective Functions of Titanium Dioxide Nanopowders and Their Aqueous Suspensions. Russian Journal of Inorganic Chemistry, 2021, 66, 765-772.	1.3	7
25	Selective Radiosensitizing Effect of Amorphous Hafnia Modified with Organic Quantum Dots on Normal and Malignant Cells. Russian Journal of Inorganic Chemistry, 2021, 66, 931-937.	1.3	1
26	Bacterial Cellulose-Based Nanocomposites Containing Ceria and Their Use in the Process of Stem Cell Proliferation. Polymers, 2021, 13, 1999.	4.5	10
27	SiO2â€“TiO2 Binary Aerogels: A Small-Angle Scattering Study. Russian Journal of Inorganic Chemistry, 2021, 66, 874-882.	1.3	7
28	Removal of Acidic-Sulfur-Containing Components from Gasoline Fractions and Their Simulated Analogues Using Silica Gel Modified with Transition-Metal Carboxylates. ACS Omega, 2021, 6, 23181-23190.	3.5	5
29	Biocompatible dextran-coated gadolinium-doped cerium oxide nanoparticles as MRI contrast agents with high T₁ relaxivity and selective cytotoxicity to cancer cells. Journal of Materials Chemistry B, 2021, 9, 6586-6599.	5.8	24
30	The first amorphous and crystalline yttrium lactate: synthesis and structural features. RSC Advances, 2021, 11, 30195-30205.	3.6	3
31	Fast and simple approach for production of antibacterial nanocellulose/cuprous oxide hybrid films. Cellulose, 2021, 28, 2931-2945.	4.9	9
32	Ion-Driven Self-Assembly of Lanthanide Bis-phthalocyaninates into Conductive Quasi-MOF Nanowires: an Approach toward Easily Recyclable Organic Electronics. Inorganic Chemistry, 2021, 60, 15509-15518.	4.0	5
33	Strong Antibacterial Properties of Cotton Fabrics Coated with Ceria Nanoparticles under High-Power Ultrasound. Nanomaterials, 2021, 11, 2704.	4.1	7
34	On the Thermal Decomposition of Cerium(IV) Hydrogen Phosphate Ce(PO4)(HPO4)0.5(H2O)0.5. Russian Journal of Inorganic Chemistry, 2021, 66, 1624-1632.	1.3	3
35	Investigation of the deposition of calcium fluoride nanoparticles on the chips of CaF2 single crystals. Kondensirovannye Sredy Mezhfaznye Granitsy, 2021, 23, 607-613.	0.3	0
36	Nanodiamond Batch Enriched with Boron: Properties and Prospects for Use in Agriculture. Biointerface Research in Applied Chemistry, 2021, 12, 6134-6147.	1.0	2

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37	One-Step Synthesis and Electrical Conductivity of CdSe-Based Nanocomposites. Inorganic Materials, 2021, 57, 1221-1233.	0.8	0
38	Cerium(IV) Orthophosphates (Review). Russian Journal of Inorganic Chemistry, 2021, 66, 1761-1778.	1.3	8
39	A new epoxide-mediated route for binary Al2O3-TiO2 aerogels. Trudy KolÊ¹skogo NauÄnogo Centra RAN, 2021, 12, 205-206.	0.1	0
40	Study of the influence of various solvents on the properties of hydrophobic silica xerogels. Trudy KolÊ¹skogo NauÄnogo Centra RAN, 2021, 12, 129-130.	0.1	0
41	Superhydrophobic and luminescent highly porous nanostructured alumina monoliths modified with tris(8-hydroxyquinolinato)aluminium. Microporous and Mesoporous Materials, 2020, 293, 109804.	4.4	7
42	High electrorheological effect in Bi1.8Fe1.2SbO7 suspensions. Powder Technology, 2020, 360, 96-103.	4.2	11
43	Photochromic and Photocatalytic Properties of Ultra-Small PVP-Stabilized WO3 Nanoparticles. Molecules, 2020, 25, 154.	3.8	12
44	PVP-stabilized tungsten oxide nanoparticles: pH sensitive anti-cancer platform with high cytotoxicity. Materials Science and Engineering C, 2020, 108, 110494.	7.3	22
45	Interplay of polymer matrix and nanosized redox dopant with regard to thermo-oxidative and pyrolytic stability: CeO2 nanoparticles in a milieu of aromatic polyimides. Materials Today Communications, 2020, 22, 100803.	1.9	6
46	SAXS Study of the Structure of Fibrous Ceric Hydrogen Phosphate Gels. Journal of Surface Investigation, 2020, 14, S201-S206.	0.5	1
47	Polydimethylsiloxane Elastomers Filled with Rod-Like Î±-MnO2 Nanoparticles: An Interplay of Structure and Electrorheological Performance. Polymers, 2020, 12, 2810.	4.5	1
48	Polyimide-Based Nanocomposites with Binary CeO2/Nanocarbon Fillers: Conjointly Enhanced Thermal and Mechanical Properties. Polymers, 2020, 12, 1952.	4.5	14
49	Electrorheological Properties of Polydimethylsiloxane/TiO2-Based Composite Elastomers. Polymers, 2020, 12, 2137.	4.5	3
50	Bulk and Surface Low Temperature Phase Transitions in the Mg-Alloy EZ33A. Metals, 2020, 10, 1127.	2.3	44
51	UV-Induced Photocatalytic Reduction of Methylene Blue Dye in the Presence of Photochromic Tungsten Oxide Sols. Russian Journal of Inorganic Chemistry, 2020, 65, 1088-1092.	1.3	7
52	Calcifying Bacteria Flexibility in Induction of CaCO3 Mineralization. Life, 2020, 10, 317.	2.4	15
53	Electrorheological Fluids Based on Bismuth Ferrites BiFeO3 and Bi2Fe4O9. Russian Journal of Inorganic Chemistry, 2020, 65, 1253-1263.	1.3	2
54	Influence of Nanosized Cerium Oxide on the Thermal Characteristics of Aromatic Polyimide Films. Polymer Science - Series C, 2020, 62, 196-204.	1.7	2

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55	Selective Hydrothermal Synthesis of [(CH3)2NH2]V3O7, VO2(D), and V2O3 in the Presence of N,N-Dimethylformamide. Russian Journal of Inorganic Chemistry, 2020, 65, 488-494.	1.3	5
56	The Possibilities of Application of Porous Aerogels Based on Alginates in Wound Healing. Polymer Science - Series D, 2020, 13, 206-208.	0.6	0
57	Layered rare-earth hydroxides: a new family of anion-exchangeable layered inorganic materials. Russian Chemical Reviews, 2020, 89, 629-666.	6.5	25
58	Nanoceria-curcumin conjugate: Synthesis and selective cytotoxicity against cancer cells under oxidative stress conditions. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111921.	3.8	15
59	Is Supercritical So Critical? The Choice of Temperature to Synthesize SiO2 Aerogels. Russian Journal of Inorganic Chemistry, 2020, 65, 255-262.	1.3	6
60	Synthesis and Research of Functional Layers Based on Titanium Dioxide Nanoparticles and Silica Sols Formed on the Surface of Seeds of Chinese Cabbage. Russian Journal of Applied Chemistry, 2020, 93, 25-34.	0.5	6
61	Catalytic Materials Based on Hydrotalcite-Like Aluminum, Magnesium, Nickel, and Cobalt Hydroxides: Effect of the Nickel/Cobalt Ratio on the Results of Partial Oxidation and Dry Reforming of Methane to Synthesis Gas. Petroleum Chemistry, 2020, 60, 194-203.	1.4	3
62	Development and Research of Electroactive Pseudocapacitor Electrode Pastes Based on MnO2. Glass Physics and Chemistry, 2020, 46, 96-101.	0.7	3
63	Meet the Cerium(IV) Phosphate Sisters: Ce IV (OH)PO 4 and Ce IV 2 O(PO 4) 2. Chemistry - A European Journal, 2020, 26, 12188-12193.	3.3	7
64	1D Ceric Hydrogen Phosphate Aerogels: Noncarbonaceous Ultraflyweight Monolithic Aerogels. ACS Omega, 2020, 5, 17592-17600.	3.5	8
65	Hydrothermal Synthesis of Aqueous Sols of Nanocrystalline HfO2. Russian Journal of Inorganic Chemistry, 2020, 65, 800-804.	1.3	1
66	Photonic crystal enhancement of Raman scattering. Physical Chemistry Chemical Physics, 2020, 22, 9630-9636.	2.8	14
67	Synthesis of Magnetic Nanopowders of Iron Oxide: Magnetite and Maghemite. Russian Journal of Inorganic Chemistry, 2020, 65, 426-430.	1.3	13
68	Nanoceria: Metabolic interactions and delivery through PLGA-encapsulation. Materials Science and Engineering C, 2020, 114, 111003.	7.3	12
69	WO3 thermodynamic properties at 80â€“1256Â K revisited. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1533-1543.	3.6	13
70	Ð¡Ð¸Ð½Ñ‚ÐµÐ· Ð°Ð¿-ÐºÐ¾Ð½Ð²ÐµÑ€ÑÐ¸Ð¾Ð½Ð½Ñ‹Ñ… Ð»ÑŽÐ¼Ð¸Ð½Ð¾Ñ„Ð¾Ñ€Ð¾Ð² Ð½Ð° Ð¾ÑÐ½Ð¾Ð²Ðµ Ñ„Ñ‚Ð¾Ñ€	0.[illegible]	4
71	CeO2 nanoparticles as free radical regulators in biological systems. Nanosystems: Physics, Chemistry, Mathematics, 2020, 11, 324-332.	0.4	4
72	Aqueous Chemical Co-Precipitation of Iron Oxide Magnetic Nanoparticles for Use in Agricultural Technologies. Letters in Applied NanoBioScience, 2020, 10, 2215-2239.	0.4	4

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73	Crystal and Supramolecular Structure of Bacterial Cellulose Hydrolyzed by Cellobiohydrolase from Scytalidium Candidum 3C: A Basis for Development of Biodegradable Wound Dressings. Materials, 2020, 13, 2087.	2.9	8
74	Crystalline WO3 nanoparticles for No2 sensing. Processing and Application of Ceramics, 2020, 14, 282-292.	0.8	10
75	Selective hydrothermal synthesis of ammonium vanadates(V) and (IV,V). Transition Metal Chemistry, 2019, 44, 25-30.	1.4	7
76	The first inorganic mitogens: Cerium oxide and cerium fluoride nanoparticles stimulate planarian regeneration via neoblastic activation. Materials Science and Engineering C, 2019, 104, 109924.	7.3	22
77	First MnO2-based electrorheological fluids: high response at low filler concentration. Rheologica Acta, 2019, 58, 719-728.	2.4	11
78	IR radiation assisted preparation of KOH-activated polymer-derived carbon for methylene blue adsorption. Journal of Environmental Chemical Engineering, 2019, 7, 103514.	6.7	39
79	Electrochemical Properties of Carbon Aerogel Electrodes: Dependence on Synthesis Temperature. Molecules, 2019, 24, 3847.	3.8	12
80	Size Effects in Nanocrystalline Thoria. Journal of Physical Chemistry C, 2019, 123, 23167-23176.	3.1	19
81	Investigating the Relationship between the Conditions of Polythiophene Electrosynthesis and the Pseudocapacitive Properties of Polythiophene-Based Electrodes. Glass Physics and Chemistry, 2019, 45, 281-290.	0.7	1
82	Highly reversible photochromism in composite WO3/nanocellulose films. Cellulose, 2019, 26, 9095-9105.	4.9	29
83	Surfactant-Switched Positive/Negative Electrorheological Effect in Tungsten Oxide Suspensions. Molecules, 2019, 24, 3348.	3.8	6
84	Skeleton pseudomorphs of nanostructured silver for the surface-enhanced Raman spectroscopy. Mendeleev Communications, 2019, 29, 395-397.	1.6	2
85	Hierarchical structure of SERS substrates possessing the silver ring morphology. Mendeleev Communications, 2019, 29, 269-272.	1.6	1
86	Effect of the Support Nature on Stability of Nickel and Nickelâ€“Cobalt Catalysts for Partial Oxidation and Dry Reforming of Methane to Synthesis Gas. Petroleum Chemistry, 2019, 59, 385-393.	1.4	10
87	Exfoliation of layered yttrium hydroxide by rapid expansion of supercritical suspensions. Journal of Supercritical Fluids, 2019, 150, 40-48.	3.2	13
88	Highly Crystalline WO₃ Nanoparticles Are Nontoxic to Stem Cells and Cancer Cells. Journal of Nanomaterials, 2019, 2019, 1-13.	2.7	27
89	Unexpected selective enhancement of the thermal stability of aromatic polyimide materials by cerium dioxide nanoparticles. Polymers for Advanced Technologies, 2019, 30, 1518-1524.	3.2	9
90	Photoluminescent porous aerogel monoliths containing ZnEu-complex: the first example of aerogel modified with a heteronuclear metal complex. Journal of Sol-Gel Science and Technology, 2019, 92, 304-318.	2.4	13

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91	Fabrication of uniform monolayers of graphene oxide on solid surfaces. Surface Innovations, 2019, 7, 210-218.	2.3	4
92	Supramolecular Organogels Based on N-Benzyl, Nâ€²-Acylbispidinols. Nanomaterials, 2019, 9, 89.	4.1	11
93	Fabrication of composite electrodes based on cobalt (II) hydroxide for microbiological fuel cells. Journal of Sol-Gel Science and Technology, 2019, 92, 506-514.	2.4	4
94	Selenic acid anodizing of aluminium for preparation of 1D photonic crystals. Electrochemistry Communications, 2019, 100, 104-107.	4.7	37
95	Eu-Doped layered yttrium hydroxides sensitized by a series of benzenedicarboxylate and sulphobenzoate anions. Dalton Transactions, 2019, 48, 6111-6122.	3.3	14
96	Sorption of Radionuclides onto Cerium(IV) Hydrogen Phosphate Ce(PO4)(HPO4)0.5(H2O)0.5. Radiochemistry, 2019, 61, 719-723.	0.7	6
97	Morphometry Results of Formed Osteodefects When Using Nanocrystalline CeO₂ in the Early Stages of Regeneration. International Journal of Dentistry, 2019, 2019, 1-9.	1.5	4
98	Towards the surface hydroxyl species in CeO₂ nanoparticles. Nanoscale, 2019, 11, 18142-18149.	5.6	41
99	Laser-induced modification and formation of periodic surface structures (ripples) of amorphous GST225 phase change materials. Optics and Laser Technology, 2019, 113, 87-94.	4.6	18
100	Crystallization Pathways of Cerium(IV) Phosphates Under Hydrothermal Conditions: A Search for New Phases with a Tunnel Structure. European Journal of Inorganic Chemistry, 2019, 2019, 3242-3248.	2.0	9
101	Preparation of â€œNaREF4â€•phases from the sodium nitrate melt. Journal of Fluorine Chemistry, 2019, 218, 69-75.	1.7	10
102	PVP-stabilized tungsten oxide nanoparticles inhibit proliferation of NCTC L929 mouse fibroblasts via induction of intracellular oxidative stress. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 92-101.	0.4	2
103	Impact of nano-sized ceria particles upon the cyclization kinetics of poly(amic acid) films. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 475-479.	0.4	0
104	Influence of nanoparticles of various types as fillers on resistance to hydrolysis of films of heat-resistant polyimide. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 666-673.	0.4	2
105	Comparative study of the electrorheological effect in suspensions of needle-like and isotropic cerium dioxide nanoparticles. Rheologica Acta, 2018, 57, 307-315.	2.4	14
106	Understanding Self-Assembly of Porphyrin-Based SURMOFs: How Layered Minerals Can Be Useful. Langmuir, 2018, 34, 5184-5192.	3.5	21
107	Interfacial self-assembly of nanostructured silver octahedra for surface-enhanced Raman spectroscopy. Functional Materials Letters, 2018, 11, 1850028.	1.2	3
108	Concentration self-quenching of luminescence in crystal matrices activated by Nd3+ ions: Theory and experiment. Journal of Luminescence, 2018, 198, 138-145.	3.1	15

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109	Aerogels with hybrid organo-inorganic 3D network structure based on polyfluorinated diacids. Journal of Fluorine Chemistry, 2018, 207, 67-71.	1.7	4
110	Partial oxidation of methane to synthesis gas: Novel catalysts based on neodymiumâ€“calcium cobaltateâ€“nickelate complex oxides. Petroleum Chemistry, 2018, 58, 43-47.	1.4	3
111	Methyl trifluoropyruvate â€“ a new solvent for the production of fluorinated organic resorcinolâ€“formaldehyde aerogels. Mendeleev Communications, 2018, 28, 102-104.	1.6	4
112	First rare-earth phosphate aerogel: solâ€“gel synthesis of monolithic ceric hydrogen phosphate aerogel. Journal of Sol-Gel Science and Technology, 2018, 85, 574-584.	2.4	13
113	Comparison of concentration dependence of relative fluorescence quantum yield and brightness in first biological window of wavelengths for aqueous colloidal solutions of Nd3+: LaF3 and Nd3+: KY3F10 nanocrystals synthesized by microwave-hydrothermal treatment. Journal of Alloys and Compounds, 2018, 756, 182-192.	5.5	20
114	Luminescent alumina-based aerogels modified with tris(8-hydroxyquinolinato)aluminum. Journal of Sol-Gel Science and Technology, 2018, 86, 400-409.	2.4	13
115	Tin Dioxide-Based Superacid Aerogels Produced Using Propylene Oxide. Russian Journal of Inorganic Chemistry, 2018, 63, 303-307.	1.3	6
116	A facile approach to fabricating ultrathin layers of reduced graphene oxide on planar solids. Carbon, 2018, 134, 62-70.	10.3	18
117	Ultrasonic disintegration of tungsten trioxide pseudomorphs after ammonium paratungstate as a route for stable aqueous sols of nanocrystalline WO3. Journal of Materials Science, 2018, 53, 1758-1768.	3.7	9
118	Synthesis, crystal structure and optical properties of 1,1'-(1,n-alkanediyl)bis(3-methylimidazolium) halobismuthates. Journal of Molecular Structure, 2018, 1151, 186-190.	3.6	6
119	An approach for highly transparent titania aerogels preparation. Materials Letters, 2018, 215, 19-22.	2.6	9
120	Photo-induced toxicity of tungsten oxide photochromic nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 395-403.	3.8	35
121	Synthesis of Silver Nanoparticles with the use of Herbaceous Plant Extracts and Effect of Nanoparticles on Bacteria. Applied Biochemistry and Microbiology, 2018, 54, 816-823.	0.9	4
122	A New Method for Removing and Binding Th(IV) and Other Radionuclides by In Situ Formation of a Sorbent Based on Fibrous Cerium(IV) Hydrogen Phosphate in Liquid Media. Radiochemistry, 2018, 60, 613-617.	0.7	5
123	The relationship between the crystal structure and optical properties for isomeric aminopyridinium iodobismuthates. Mendeleev Communications, 2018, 28, 490-492.	1.6	13
124	Formation of hierarchically-ordered nanoporous silver foam and its electrocatalytic properties in reductive dehalogenation of organic compounds. New Journal of Chemistry, 2018, 42, 17499-17512.	2.8	6
125	Effects of Ag Additive in Low Temperature CO Detection with In2O3 Based Gas Sensors. Nanomaterials, 2018, 8, 801.	4.1	17
126	Antimicrobial Activity of Silver Nanoparticles in a Carboxymethyl Chitin Matrix Obtained by the Microwave Hydrothermal Method. Applied Biochemistry and Microbiology, 2018, 54, 496-500.	0.9	4

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127	Photosensitive Organic-Inorganic Hybrid Materials for Room Temperature Gas Sensor Applications. Nanomaterials, 2018, 8, 671.	4.1	18
128	Catalytic Materials Based on Hydrotalcite-Like Aluminum, Magnesium, Nickel, and Cobalt Hydroxides for Partial Oxidation and Dry Reforming of Methane to Synthesis Gas. Petroleum Chemistry, 2018, 58, 418-426.	1.4	7
129	The Melt of Sodium Nitrate as a Medium for the Synthesis of Fluorides. Inorganics, 2018, 6, 38.	2.7	25
130	Interfacial self-assembly of functional bilayer templates comprising porphyrin arrays and graphene oxide. Journal of Colloid and Interface Science, 2018, 530, 521-531.	9.4	18
131	Hydrothermal Microwave Synthesis of MnO2 in the Presence of Melamine: The Role of Temperature and pH. Russian Journal of Inorganic Chemistry, 2018, 63, 708-713.	1.3	3
132	Synthesis Gas Production by Partial Oxidation of Methane and Dry Reforming of Methane in the Presence of Novel Niâ€“Co/MFI Catalysts. Petroleum Chemistry, 2018, 58, 203-213.	1.4	8
133	Hydroxyapatite/Anatase Photocatalytic Coreâ€“Shell Composite Prepared by Solâ€'Gel Processing. Crystallography Reports, 2018, 63, 254-260.	0.6	7
134	Synthesis and Luminescence Characteristics of LaF3:Yb:Er Powders Produced by Coprecipitation from Aqueous Solutions. Russian Journal of Inorganic Chemistry, 2018, 63, 293-302.	1.3	6
135	Phase Equilibria in LiYF4â€“LiLuF4 System and Heat Conductivity of LiY1â€“xLu x F4 Single Crystals. Russian Journal of Inorganic Chemistry, 2018, 63, 433-438.	1.3	8
136	Structural Analysis of Aluminum Oxyhydroxide Aerogel by Small Angle X-Ray Scattering. Journal of Surface Investigation, 2018, 12, 296-305.	0.5	9
137	1D-Bromobismuthates of Dipyridinoalkane Derivatives. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2018, 44, 373-379.	1.0	21
138	Nanofibers of Semiconductor Oxides as Sensitive Materials for Detection of Gaseous Products Formed in Low-Temperature Pyrolysis of Polyvinyl Chloride. Russian Journal of Applied Chemistry, 2018, 91, 447-453.	0.5	4
139	Synthesis of NH4TiOF3 Crystals in the Presence of Polyoxyethylene Ethers. Russian Journal of Inorganic Chemistry, 2018, 63, 567-573.	1.3	3
140	Possibilities of using of nanocrystalline CeO2 for bone tissue defects. Medical News of North Caucasus, 2018, 13, .	0.1	2
141	Influence of thermal treatment of nanometer-sized titanate and barium orthotitanate precursors on the electrorheological effect. Nanosystems: Physics, Chemistry, Mathematics, 2018, 9, 746-753.	0.4	4
142	THE STUDY OF CERIUM COMPOUNDSâ€™ EFFECT ON POST-BURN SCAR TISSUE MATURATION IN THE IN VIVO EXPERIMENT. Problems of Biological Medical and Pharmaceutical Chemistry, 2018, 21, .	0.2	1
143	SiOâ„‚-Based Aerogels Modified by Covalently Bonded Aromatic Acids as Potential Drug Delivery Systems. Biomedical Chemistry Research and Methods, 2018, 1, e00037.	0.4	0
144	Synthesis of Silver Nanoparticles using Herbaceous Plants Extracts and Effect of Nanoparticles on Bacteria. Biotekhnologiya, 2018, 34, 62-71.	0.1	0

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145	Ultrasonic treatment as method of structure change of amorphous materials prepared by sol-gel method. Chemical Engineering, 2018, , .	0.2	0
146	Scientific and applied problems of integrated processing of magmatic rocks. Chemical Engineering, 2018, , .	0.2	0
147	THE RESULTS OF SCANNING ELECTRONIC MICROSCOPY OF ULTRA-THIN ENDOKERATOTRANSPLANT FORMED BY FEMTOSECOND LASER ON PART OF ENDOTHELIUM. Rossiiskii Meditsinskii Zhurnal: Organ Ministerstva Zdravookhraneniia RSFSR, 2018, 24, 19-24.	0.1	0
148	VISUALIZATION OF Nd3+-DOPED LaF3 NANOPARTICLES FOR NEAR INFRARED BIOIMAGING VIA UPCONVERSION LUMINESCENCE AT MULTIPHOTON EXCITATION MICROSCOPY. Biomedical Photonics, 2018, 7, 4-12.	1.2	2
149	MICROWAVE-HYDROTHERMAL HEXAMETHYLENETETRAMINE-MEDIATED SYNTHESIS OF NANOCRYSTALLINE MnO2. Fine Chemical Technologies, 2018, 13, 56-63.	0.8	0
150	NONINVASIVE ESTIMATION OF THE LOCAL TEMPERATURE OF BIOTISSUES HEATING UNDER THE ACTION OF LASER IRRADIATION FROM THE LUMINESCENCE SPECTRA OF Nd3+ IONS. Biomedical Photonics, 2018, 7, 25-36.	1.2	3
151	Ðjerium oxide nanoparticles increase the cytotoxicity of TNF-alpha in vitro. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 537-543.	0.4	1
152	Experimental Study of the Effects of Nanodispersed Ceria on Wound Repair. Bulletin of Experimental Biology and Medicine, 2017, 162, 395-399.	0.8	9
153	Synthesis of manganese dioxide by homogeneous hydrolysis in the presence of melamine. Russian Journal of Inorganic Chemistry, 2017, 62, 139-149.	1.3	6
154	closo-Dodecaborate Intercalated Yttrium Hydroxide as a First Example of Boron Cluster Anion-Containing Layered Inorganic Substances. Inorganic Chemistry, 2017, 56, 3421-3428.	4.0	22
155	Facile method for fabrication of surfactant-free concentrated CeO₂sols. Materials Research Express, 2017, 4, 055008.	1.6	16
156	Unexpected Effects of Activator Moleculesâ€™ Polarity on the Electroreological Activity of Titanium Dioxide Nanopowders. Journal of Physical Chemistry B, 2017, 121, 6732-6738.	2.6	18
157	Relation of Crystallinity and Fluorescent Properties of LaF₃ :Nd³⁺ Nanoparticles Synthesized with Different Water-Based Techniques. ChemistrySelect, 2017, 2, 4874-4881.	1.5	19
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