

# Vladimir Ivanov

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

384 papers	4,209 citations	28 h-index	46 g-index
429 ext. papers	4,906 ext. citations	2.3 avg, IF	5.66 L-index

#	Paper	IF	Citations
384	Effect of Structural Perfection of Crystalline $\text{NaYF}_4\text{:Yb,Er}$ Phosphor Powders on the Efficiency of Their Upconversion Luminescence. <i>Inorganic Materials</i> , <b>2022</b> , 58, 90-96	0.9	
383	Functionalization of Aerogels with Coordination Compounds. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2022</b> , 48, 89-117	1.6	1
382	Photocatalytic Activity of Fluorinated Titanium Dioxide in Ozone Decomposition. <i>Russian Journal of Applied Chemistry</i> , <b>2022</b> , 95, 118-125	0.8	
381	Synthesis of single-phase Sr Ba F solid solutions by coprecipitation from aqueous solutions. <i>Solid State Sciences</i> , <b>2022</b> , 106932	3.4	
380	Theoretical Analysis of Periodic Processes of Extraction-Chromatographic Separation in a Closed Cascade of Apparatuses. <i>Doklady Chemistry</i> , <b>2021</b> , 499, 171-175	0.8	0
379	Heat Capacity and Thermal Expansion of M-Terbium Orthotantalate. <i>Doklady Physical Chemistry</i> , <b>2021</b> , 499, 70-72	0.8	0
378	On the Thermal Decomposition of Cerium(IV) Hydrogen Phosphate $\text{Ce}(\text{PO}_4)(\text{HPO}_4)0.5(\text{H}_2\text{O})0.5$ . <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 1624-1632	1.5	1
377	New facets of nanozyme activity of ceria: lipo- and phospholipoperoxidase-like behaviour of CeO nanoparticles.. <i>RSC Advances</i> , <b>2021</b> , 11, 35351-35360	3.7	2
376	CeO Nanoparticle-Containing Polymers for Biomedical Applications: A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	20
375	Selective Synthesis of $\text{WO}_3$ and $\text{WO}_3 \cdot \text{H}_2\text{O}$ by the Hydrothermal Treatment of Peroxotungstic Acid. <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 496-501	1.5	0
374	Selective Radiosensitizing Effect of Amorphous Hafnia Modified with Organic Quantum Dots on Normal and Malignant Cells. <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 931-937	1.5	
373	$\text{SiO}_2/\text{TiO}_2$ Binary Aerogels: A Small-Angle Scattering Study. <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 874-882	1.5	4
372	Flow-mode water treatment under simultaneous hydrodynamic cavitation and plasma. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 70, 105323	8.9	14
371	Engineering $\text{SiO}_2/\text{TiO}_2$ binary aerogels for sun protection and cosmetic applications. <i>Journal of Supercritical Fluids</i> , <b>2021</b> , 169, 105099	4.2	5
370	Low-temperature phase formation in the $\text{SrF}_2/\text{BaF}_2$ system. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 2836-2848	3.8	0
369	Influence of the Fluorinated Aromatic Fragments on the Structures of the Cadmium and Zinc Carboxylate Complexes Using Pentafluorobenzoates and 2,3,4,5-Tetrafluorobenzoates as Examples. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2021</b> , 47, 127-143	1.6	8
368	Biocompatible dextran-coated gadolinium-doped cerium oxide nanoparticles as MRI contrast agents with high T relaxivity and selective cytotoxicity to cancer cells. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 6586-6599	7.3	6

367	The first amorphous and crystalline yttrium lactate: synthesis and structural features.. <i>RSC Advances</i> , <b>2021</b> , 11, 30195-30205	3.7	0
366	LaCo1/3Sb5/3O6: A New Oxide Catalyst for CO Oxidation. <i>Doklady Chemistry</i> , <b>2021</b> , 500, 199-204	0.8	
365	Magnetic properties of new layered compounds LaM1/3Sb5/3O6, M = Co, Ni, and Cu, with a honeycomb structure. <i>Russian Chemical Bulletin</i> , <b>2021</b> , 70, 2397-2404	1.7	0
364	Solvent Extraction of Lanthanides(III) in the Presence of the Acetate Ion Acting as a Complexing Agent Using Mixtures of Cyanex 272 and Caprylic Acid in Hexane. <i>Processes</i> , <b>2021</b> , 9, 2222	2.9	
363	Cerium(IV) Orthophosphates (Review). <i>Russian Journal of Inorganic Chemistry</i> , <b>2021</b> , 66, 1761-1778	1.5	1
362	Electrorheological Fluids Based on Bismuth Ferrites BiFeO3 and Bi2Fe4O9. <i>Russian Journal of Inorganic Chemistry</i> , <b>2020</b> , 65, 1253-1263	1.5	1
361	Influence of Nanosized Cerium Oxide on the Thermal Characteristics of Aromatic Polyimide Films. <i>Polymer Science - Series C</i> , <b>2020</b> , 62, 196-204	1.1	2
360	Selective Hydrothermal Synthesis of [(CH3)2NH2]V3O7, VO2(D), and V2O3 in the Presence of N,N-Dimethylformamide. <i>Russian Journal of Inorganic Chemistry</i> , <b>2020</b> , 65, 488-494	1.5	1
359	The Possibilities of Application of Porous Aerogels Based on Alginates in Wound Healing. <i>Polymer Science - Series D</i> , <b>2020</b> , 13, 206-208	0.4	
358	Quantification of Free Radical Scavenging Properties and SOD-Like Activity of Cerium Dioxide Nanoparticles in Biochemical Models. <i>Russian Journal of Inorganic Chemistry</i> , <b>2020</b> , 65, 597-605	1.5	4
357	Layered rare-earth hydroxides: a new family of anion-exchangeable layered inorganic materials. <i>Russian Chemical Reviews</i> , <b>2020</b> , 89, 629-666	6.8	10
356	Nanoceria-curcumin conjugate: Synthesis and selective cytotoxicity against cancer cells under oxidative stress conditions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 209, 111921	6.7	7
355	Is Supercritical So Critical? The Choice of Temperature to Synthesize SiO2 Aerogels. <i>Russian Journal of Inorganic Chemistry</i> , <b>2020</b> , 65, 255-262	1.5	5
354	Meet the Cerium(IV) Phosphate Sisters: Ce (OH)PO and Ce O(PO ). <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 12188-12193	4.8	3
353	Ceria-Containing Hybrid Multilayered Microcapsules for Enhanced Cellular Internalisation with High Radioprotection Efficiency. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
352	1D Ceric Hydrogen Phosphate Aerogels: Noncarbonaceous Ultraflyweight Monolithic Aerogels. <i>ACS Omega</i> , <b>2020</b> , 5, 17592-17600	3.9	3
351	Nanoceria: Metabolic interactions and delivery through PLGA-encapsulation. <i>Materials Science and Engineering C</i> , <b>2020</b> , 114, 111003	8.3	5
350	 <b>2020</b> , 22,		2

- 349 CeO<sub>2</sub> nanoparticles as free radical regulators in biological systems. *Nanosystems: Physics, Chemistry, Mathematics*, **2020**, 11, 324-332 1.8 2
- 348 Achieving high NIR-to-NIR conversion efficiency by optimization of Tm<sup>3+</sup> content in Na(Gd,Yb)F<sub>4</sub>: Tm upconversion luminophores. *Laser Physics Letters*, **2020**, 17, 125701 1.5
- 347 Crystalline WO<sub>3</sub> nanoparticles for NO<sub>2</sub> sensing. *Processing and Application of Ceramics*, **2020**, 14, 282-292. 1.4 3
- 346 WO<sub>3</sub> thermodynamic properties at 800–1256 K revisited. *Journal of Thermal Analysis and Calorimetry*, **2020**, 142, 1533-1543 4.1 5
- 345 Hydrophobic up-conversion carboxylated nanocellulose/fluoride phosphor composite films modified with alkyl ketene dimer. *Carbohydrate Polymers*, **2020**, 250, 116866 10.3 3
- 344 Anodic titania photonic crystals with high reflectance within photonic band gap via pore shape engineering. *Scripta Materialia*, **2020**, 178, 13-17 5.6 10
- 343 Opposite effects of low intensity light of different wavelengths on the planarian regeneration rate. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 202, 111714 6.7 5
- 342 PVP-stabilized tungsten oxide nanoparticles: pH sensitive anti-cancer platform with high cytotoxicity. *Materials Science and Engineering C*, **2020**, 108, 110494 8.3 11
- 341 Interplay of polymer matrix and nanosized redox dopant with regard to thermo-oxidative and pyrolytic stability: CeO<sub>2</sub> nanoparticles in a milieu of aromatic polyimides. *Materials Today Communications*, **2020**, 22, 100803 2.5 2
- 340 SAXS Study of the Structure of Fibrous Ceric Hydrogen Phosphate Gels. *Journal of Surface Investigation*, **2020**, 14, S201-S206 0.5 1
- 339 Down-conversion luminescence of Yb<sup>3+</sup> in novel Ba<sub>4</sub>Y<sub>3</sub>F<sub>17</sub>:Yb:Ce solid solution by excitation of Ce<sup>3+</sup> in UV spectral range. *Optical Materials*, **2020**, 108, 110185 3.3 5
- 338 Comparative Analysis of Sun Protection Characteristics of Nanocrystalline Cerium Dioxide. *Russian Journal of Inorganic Chemistry*, **2020**, 65, 960-966 1.5 1
- 337 Polyimide-Based Nanocomposites with Binary CeO/Nanocarbon Fillers: Conjointly Enhanced Thermal and Mechanical Properties. *Polymers*, **2020**, 12, 4.5 6
- 336 Electrorheological Properties of Polydimethylsiloxane/TiO<sub>2</sub>-Based Composite Elastomers. *Polymers*, **2020**, 12, 4.5 1
- 335 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 1.5 4
- 334 Superhydrophobic and luminescent highly porous nanostructured alumina monoliths modified with tris(8-hydroxyquinolino)aluminum. *Microporous and Mesoporous Materials*, **2020**, 293, 109804 5.3 3
- 333 High electrorheological effect in Bi<sub>1.8</sub>Fe<sub>1.2</sub>SbO<sub>7</sub> suspensions. *Powder Technology*, **2020**, 360, 96-103 5.2 9
- 332 Biological, biomedical and pharmaceutical applications of cerium oxide **2020**, 279-358 18

331	Sulfated Halloysite Nanoscrolls as Superacid Catalysts for Oligomerization of Hexene-1. <i>Russian Journal of Applied Chemistry</i> , <b>2019</b> , 92, 1251-1257	0.8	5
330	Size Effects in Nanocrystalline Thoria. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 23167-23176	3.8	12
329	Structural and Thermal Properties of Montmorillonite/Ionic Liquid Composites. <i>Materials</i> , <b>2019</b> , 12,	3.5	19
328	Highly reversible photochromism in composite WO <sub>3</sub> /nanocellulose films. <i>Cellulose</i> , <b>2019</b> , 26, 9095-9105	5.5	15
327	Non-classical growth of brookite nanorods. <i>CrystEngComm</i> , <b>2019</b> , 21, 5673-5681	3.3	2
326	Skeleton pseudomorphs of nanostructured silver for the surface-enhanced Raman spectroscopy. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 395-397	1.9	1
325	Hierarchical structure of SERS substrates possessing the silver ring morphology. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 269-272	1.9	1
324	SnO <sub>2</sub> @MCC and SnO <sub>2</sub> @C Composites: Synthesis and Properties. <i>Russian Journal of Inorganic Chemistry</i> , <b>2019</b> , 64, 431-437	1.5	3
323	Effect of the Support Nature on Stability of Nickel and Nickel-Cobalt Catalysts for Partial Oxidation and Dry Reforming of Methane to Synthesis Gas. <i>Petroleum Chemistry</i> , <b>2019</b> , 59, 385-393	1.1	7
322	Deactivation of singlet oxygen by cerium oxide nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111925	4.7	11
321	Enhancement of Lewis Acidity of Cr-Doped Nanocrystalline SnO : Effect on Surface NH Oxidation and Sensory Detection Pattern. <i>ChemPhysChem</i> , <b>2019</b> , 20, 1985-1996	3.2	4
320	Exfoliation of layered yttrium hydroxide by rapid expansion of supercritical suspensions. <i>Journal of Supercritical Fluids</i> , <b>2019</b> , 150, 40-48	4.2	8
319	Highly Crystalline WO <sub>3</sub> Nanoparticles Are Nontoxic to Stem Cells and Cancer Cells. <i>Journal of Nanomaterials</i> , <b>2019</b> , 2019, 1-13	3.2	13
318	Unexpected selective enhancement of the thermal stability of aromatic polyimide materials by cerium dioxide nanoparticles. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 1518-1524	3.2	6
317	Photoluminescent porous aerogel monoliths containing ZnEu-complex: the first example of aerogel modified with a heteronuclear metal complex. <i>Journal of Sol-Gel Science and Technology</i> , <b>2019</b> , 92, 304-318	2.3	7
316	Crystal violet adsorption by oppositely twisted heat-treated halloysite and pecoraite nanoscrolls. <i>Applied Clay Science</i> , <b>2019</b> , 173, 1-11	5.2	21
315	Supramolecular Organogels Based on -Benzyl, -Acylbispidinols. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8
314	Synthesis and down-conversion luminescence investigation of CaF <sub>2</sub> :Yb:Ce powders for photonics. <i>Journal of Fluorine Chemistry</i> , <b>2019</b> , 222-223, 46-50	2.1	4

313	Femtosecond Spectroscopy of Au Hot-Electron Injection into TiO <sub>2</sub> —Evidence for Au/TiO <sub>2</sub> Plasmon Photocatalysis by Bactericidal Au Ions and Related Phenomena. <i>Nanomaterials</i> , <b>2019</b> , 9, 1–10	5.4	20
312	Selective hydrothermal synthesis of ammonium vanadates(V) and (IV,V). <i>Transition Metal Chemistry</i> , <b>2019</b> , 44, 25-30	2.1	4
311	Carbonization of the Modified Cellulose of Annual Crops. <i>Russian Journal of General Chemistry</i> , <b>2019</b> , 89, 1316-1323	0.7	4
310	Application of Low-Temperature Postradiation Polymerization of Polytetrafluoroethylene for Hydrophobization of Porous Ceramic Materials Based on Oxide Fibers. <i>Inorganic Materials: Applied Research</i> , <b>2019</b> , 10, 467-472	0.6	1
309	The first inorganic mitogens: Cerium oxide and cerium fluoride nanoparticles stimulate planarian regeneration via neoblastic activation. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109924	8.3	10
308	Synthesis of Magnesium- and Silicon-modified Hydroxyapatites by Microwave-Assisted Method. <i>Scientific Reports</i> , <b>2019</b> , 9, 14836	4.9	8
307	First MnO <sub>2</sub> -based electrorheological fluids: high response at low filler concentration. <i>Rheologica Acta</i> , <b>2019</b> , 58, 719-728	2.3	7
306	Synthesis and Luminescence of Sr <sub>1-x</sub> Yb <sub>x</sub> Eu <sub>y</sub> F <sub>2+x+y</sub> Solid Solutions for Photonics. <i>Inorganic Materials</i> , <b>2019</b> , 55, 1031-1038	0.9	
305	PVP-stabilized tungsten oxide nanoparticles inhibit proliferation of NCTC L929 mouse fibroblasts via induction of intracellular oxidative stress. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2019</b> , 10, 92-101	1.8	2
304	Methods for Synthesis of Molecular Materials with Unique Physical Properties. <i>Vestnik RFFI</i> , <b>2019</b> , 82-100.	0.1	
303	Photochromic and Photocatalytic Properties of Ultra-Small PVP-Stabilized WO Nanoparticles. <i>Molecules</i> , <b>2019</b> , 25,	4.8	5
302	Eu-Doped layered yttrium hydroxides sensitized by a series of benzenedicarboxylate and sulphobenzoate anions. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6111-6122	4.3	10
301	Tunable upconversion luminescence of SrF <sub>2</sub> : Er,Tm phosphors. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1410, 012121	0.3	
300	Sorption of Radionuclides onto Cerium(IV) Hydrogen Phosphate Ce(PO <sub>4</sub> )(HPO <sub>4</sub> ) <sub>0.5</sub> (H <sub>2</sub> O) <sub>0.5</sub> . <i>Radiochemistry</i> , <b>2019</b> , 61, 719-723	0.9	1
299	Morphometry Results of Formed Osteodefects When Using Nanocrystalline CeO in the Early Stages of Regeneration. <i>International Journal of Dentistry</i> , <b>2019</b> , 2019, 9416381	1.9	3
298	Towards the surface hydroxyl species in CeO nanoparticles. <i>Nanoscale</i> , <b>2019</b> , 11, 18142-18149	7.7	23
297	Composite up-conversion luminescent films containing a nanocellulose and SrF <sub>2</sub> :Ho particles. <i>Cellulose</i> , <b>2019</b> , 26, 2403-2423	5.5	8
296	Crystallization Pathways of Cerium(IV) Phosphates Under Hydrothermal Conditions: A Search for New Phases with a Tunnel Structure. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 3242-3248	2.3	4

- 295 Preparation of NaREF<sub>4</sub> phases from the sodium nitrate melt. *Journal of Fluorine Chemistry*, **2019**, 218, 69-75 2.1 7
- 294 Comparative study of the electrorheological effect in suspensions of needle-like and isotropic cerium dioxide nanoparticles. *Rheologica Acta*, **2018**, 57, 307-315 2.3 12
- 293 Synthesis and luminescence studies of CaF<sub>2</sub>:Yb:Pr solid solutions powders for photonics. *Journal of Fluorine Chemistry*, **2018**, 211, 70-75 2.1 16
- 292 Interfacial self-assembly of nanostructured silver octahedra for surface-enhanced Raman spectroscopy. *Functional Materials Letters*, **2018**, 11, 1850028 1.2 2
- 291 Ceria Nanoparticles-Decorated Microcapsules as a Smart Drug Delivery/Protective System: Protection of Encapsulated *P. pyralis* Luciferase. *ACS Applied Materials & Interfaces*, **2018**, 10, 14367-14377 2.5 22
- 290 Aerogels with hybrid organo-inorganic 3D network structure based on polyfluorinated diacids. *Journal of Fluorine Chemistry*, **2018**, 207, 67-71 2.1 1
- 289 Methyl trifluoropyruvate is a new solvent for the production of fluorinated organic resorcinol-formaldehyde aerogels. *Mendeleev Communications*, **2018**, 28, 102-104 1.9 3
- 288 First rare-earth phosphate aerogel: sol-gel synthesis of monolithic ceric hydrogen phosphate aerogel. *Journal of Sol-Gel Science and Technology*, **2018**, 85, 574-584 2.3 12
- 287 Plasmon-enhanced light absorption at organic-coated interfaces: collectivity matters. *Journal of Materials Chemistry C*, **2018**, 6, 1413-1420 7.1 8
- 286 Luminescent alumina-based aerogels modified with tris(8-hydroxyquinolino)aluminum. *Journal of Sol-Gel Science and Technology*, **2018**, 86, 400-409 2.3 11
- 285 Physicochemical Modeling and Modification of the Composition of Magmatic and Metamorphic Rocks: Basic Picrobasalts. *Inorganic Materials*, **2018**, 54, 374-378 0.9 7
- 284 Tin Dioxide-Based Superacid Aerogels Produced Using Propylene Oxide. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 303-307 1.5 4
- 283 Ultrasonic disintegration of tungsten trioxide pseudomorphs after ammonium paratungstate as a route for stable aqueous sols of nanocrystalline WO<sub>3</sub>. *Journal of Materials Science*, **2018**, 53, 1758-1768 4.3 6
- 282 Infrared-to-visible upconversion luminescence in SrF<sub>2</sub>:Er powders upon excitation of the 4I13/2 level. *Optical Materials Express*, **2018**, 8, 1863 2.6 14
- 281 Unveiling point defects in titania mesocrystals: a combined EPR and XPS study. *New Journal of Chemistry*, **2018**, 42, 15184-15189 3.6 6
- 280 The Melt of Sodium Nitrate as a Medium for the Synthesis of Fluorides. *Inorganics*, **2018**, 6, 38 2.9 19
- 279 Hydrothermal Microwave Synthesis of MnO<sub>2</sub> in the Presence of Melamine: The Role of Temperature and pH. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 708-713 1.5 3
- 278 Synthesis Gas Production by Partial Oxidation of Methane and Dry Reforming of Methane in the Presence of Novel Ni<sub>2</sub>O/MFI Catalysts. *Petroleum Chemistry*, **2018**, 58, 203-213 1.1 7

277	Hydroxyapatite/Anatase Photocatalytic Core/Shell Composite Prepared by Sol-Gel Processing. <i>Crystallography Reports</i> , <b>2018</b> , 63, 254-260	0.6	5
276	Phase Equilibria in $\text{LiYF}_4\text{-LuF}_4$ System and Heat Conductivity of $\text{LiY}_{1-x}\text{Lu}_x\text{F}_4$ Single Crystals. <i>Russian Journal of Inorganic Chemistry</i> , <b>2018</b> , 63, 433-438	1.5	6
275	Structural Analysis of Aluminum Oxyhydroxide Aerogel by Small Angle X-Ray Scattering. <i>Journal of Surface Investigation</i> , <b>2018</b> , 12, 296-305	0.5	7
274	Physicochemical Modeling and Modification of the Composition of Magmatic and Metamorphic Rocks: Diorites. <i>Inorganic Materials</i> , <b>2018</b> , 54, 859-862	0.9	2
273	Dielectric Properties of Nanocrystalline Tungsten Oxide in the Temperature Range of 223-293 K. <i>Semiconductors</i> , <b>2018</b> , 52, 885-890	0.7	5
272	Synthesis of $\text{NH}_4\text{TiOF}_3$ Crystals in the Presence of Polyoxyethylene Ethers. <i>Russian Journal of Inorganic Chemistry</i> , <b>2018</b> , 63, 567-573	1.5	3
271	Synthesis and quantum yield investigations of the $\text{Sr}(1-x-y)\text{Pr}(x)\text{Yb}(y)\text{F}(2+x+y)$ luminophores for photonics. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2018</b> , 663-668	1.8	3
270	Influence of thermal treatment of nanometer-sized titanate and barium orthotitanate precursors on the electrorheological effect. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2018</b> , 9, 746-753	1.8	3
269	MICROWAVE-HYDROTHERMAL HEXAMETHYLENETETRAMINE-MEDIATED SYNTHESIS OF NANOCRYSTALLINE $\text{MnO}_2$ . <i>Fine Chemical Technologies</i> , <b>2018</b> , 13, 56-63	0.5	
268	An approach for highly transparent titania aerogels preparation. <i>Materials Letters</i> , <b>2018</b> , 215, 19-22	3.3	6
267	Photo-induced toxicity of tungsten oxide photochromic nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 178, 395-403	6.7	20
266	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. <i>Radiochemistry</i> , <b>2018</b> , 60, 613-617	0.9	3
265	Iron-Containing Carbon Nanocomposites Based on Cellulose. <i>Fibre Chemistry</i> , <b>2018</b> , 50, 154-160	0.6	3
264	Intracellular Delivery of Antioxidant $\text{CeO}$ Nanoparticles via Polyelectrolyte Microcapsules. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 2453-2462	5.5	29
263	Catalytic Materials Based on Hydrotalcite-Like Aluminum, Magnesium, Nickel, and Cobalt Hydroxides for Partial Oxidation and Dry Reforming of Methane to Synthesis Gas. <i>Petroleum Chemistry</i> , <b>2018</b> , 58, 418-426	1.1	7
262	Experimental Study of the Effects of Nanodispersed Ceria on Wound Repair. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2017</b> , 162, 395-399	0.8	7
261	The design and synthesis of thiophene-based ruthenium(II) complexes as promising sensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2017</b> , 140, 169-178	4.6	12
260	$\text{Ce1-TiDy}$ Nanoparticles Stimulate Proliferation of Dental Pulp Stem Cells In Vitro. <i>Nano Hybrids and Composites</i> , <b>2017</b> , 13, 26-31	0.7	3

259	Cerium Oxide Nanoparticles Protect Primary Embryonic Mouse Fibroblasts from Oxidative Stress Induced by Low-Temperature Argon Plasma Treatment. <i>Nano Hybrids and Composites</i> , <b>2017</b> , 13, 294-300	0.7	1
258	Cerium Oxide Nanoparticles are Nontoxic for Mouse Embryogenesis In Vitro and In Vivo. <i>Nano Hybrids and Composites</i> , <b>2017</b> , 13, 248-254	0.7	4
257	Synthesis of manganese dioxide by homogeneous hydrolysis in the presence of melamine. <i>Russian Journal of Inorganic Chemistry</i> , <b>2017</b> , 62, 139-149	1.5	4
256	closo-Dodecaborate Intercalated Yttrium Hydroxide as a First Example of Boron Cluster Anion-Containing Layered Inorganic Substances. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3421-3428	5.1	16
255	Facile method for fabrication of surfactant-free concentrated CeO <sub>2</sub> sols. <i>Materials Research Express</i> , <b>2017</b> , 4, 055008	1.7	4
254	Unexpected Effects of Activator Molecules' Polarity on the Electrorheological Activity of Titanium Dioxide Nanopowders. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6732-6738	3.4	14
253	New insights into polymer mediated formation of anatase mesocrystals. <i>CrystEngComm</i> , <b>2017</b> , 19, 3281-3287	3.87	9
252	Propylene oxide as a new reagent for mixed SiO <sub>2</sub> -based aerogels preparation. <i>Journal of Sol-Gel Science and Technology</i> , <b>2017</b> , 84, 377-381	2.3	3
251	Selective conversion of methane to synthesis gas: Catalysts based on electrochemically modified nickel foam. <i>Petroleum Chemistry</i> , <b>2017</b> , 57, 230-235	1.1	2
250	Controlling the phase composition of cadmium sulfide films during pulsed laser deposition. <i>Inorganic Materials</i> , <b>2017</b> , 53, 1120-1125	0.9	2
249	Selective precipitation of rare earth orthophosphates with hydrogen peroxide from phosphoric acid solutions. <i>Russian Journal of Inorganic Chemistry</i> , <b>2017</b> , 62, 1141-1146	1.5	2
248	Novel push-pull thieno[2,3-b]indole-based dyes for efficient dye-sensitized solar cells (DSSCs). <i>Arkivoc</i> , <b>2017</b> , 2017, 34-50	0.9	5
247	Preparation and properties of methylcellulose/nanocellulose/B-2 :B-2 polymer-inorganic composite films for two-micron radiation visualizers. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 202, 9-18	2.1	13
246	Growth of Porous Anodic Alumina on Low-Index Surfaces of Al Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27511-27520	3.8	19
245	Ultrathin Polydiacetylene-Based Synergetic Composites with Plasmon-Enhanced Photoelectric Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43838-43845	9.5	5
244	Comparative analysis of the physicochemical characteristics of SiO <sub>2</sub> aerogels prepared by drying under subcritical and supercritical conditions. <i>Inorganic Materials</i> , <b>2017</b> , 53, 1270-1278	0.9	8
243	Hydroconversion of rapeseed oil to hydrocarbons in the presence of MFI/MCM-41 micro-mesoporous materials synthesized by the hydrothermal microwave method. <i>Petroleum Chemistry</i> , <b>2017</b> , 57, 678-685	1.1	3
242	Properties of electrorheological fluids based on nanocrystalline cerium dioxide. <i>Russian Journal of Inorganic Chemistry</i> , <b>2017</b> , 62, 625-632	1.5	4

- 241 Facile synthesis of fluorinated resorcinol-formaldehyde aerogels. *Journal of Fluorine Chemistry*, **2017**, 193, 1-7 2.1 13
- 240 Chiral lactate-modified silica aerogels. *Microporous and Mesoporous Materials*, **2017**, 237, 127-131 5.3 6
- 239 Synthesis of ZnO Thin Films Doped with Ga and In: Determination of Their Composition through X-Ray Spectroscopy and Inductively Coupled Plasma Mass Spectrometry. *Inorganic Materials*, **2017**, 53, 1458-1462 0.9
- 238 Modification of polyester fabrics with nanosized titanium dioxide to impart photoactivity. *Inorganic Materials: Applied Research*, **2017**, 8, 696-703 0.6 4
- 237 Antioxidant Activity of SOD and Catalase Conjugated with Nanocrystalline Ceria. *Bioengineering*, **2017**, 4, 5.3 30
- 236 Layer-by-layer capsules as smart delivery systems of CeO<sub>2</sub> nanoparticle-based theranostic agents. *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 282-289 1.8 9
- 235 Cerium dioxide nanoparticles as third-generation enzymes (nanozymes). *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 760-781 1.8 8
- 234 The solubility of sodium and potassium fluorides in strontium fluoride. *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 830-834 1.8 3
- 233 Micro-mesoporous anatase TiO<sub>2</sub> nanorods with high specific surface area possessing enhanced adsorption ability and photocatalytic activity. *Microporous and Mesoporous Materials*, **2016**, 235, 185-194 5.3 30
- 232 SiO<sub>2</sub> aerogels modified by perfluoro acid amides: a precisely controlled hydrophobicity. *RSC Advances*, **2016**, 6, 80766-80772 3.7 7
- 231 Thermal decomposition of cerium(III) perchlorate. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1019-1025 1.9 25
- 230 Solubility of Nanocrystalline Cerium Dioxide: Experimental Data and Thermodynamic Modeling. *Journal of Physical Chemistry C*, **2016**, 120, 22615-22626 3.8 61
- 229 Nanocrystalline ceria: a novel material for electrorheological fluids. *RSC Advances*, **2016**, 6, 88851-88858 3.7 18
- 228 A new route to MFI/MCM-41 micro-mesoporous composite. *Doklady Chemistry*, **2016**, 468, 179-182 0.8 3
- 227 Stabilization of TiO<sub>2</sub>/Co<sub>3</sub>O<sub>4</sub> thin films on a glass fiber material by introduction of silica into the matrix. *Doklady Physical Chemistry*, **2016**, 470, 154-157 0.8 3
- 226 Using extraction and sorption processes to obtain nanosized powders of calcium silicates and functional materials on their basis. *Theoretical Foundations of Chemical Engineering*, **2016**, 50, 490-497 0.9 3
- 225 Synthesis and electropolymerization of bis(4-cyano-1-pyridino)alkanes: effect of co- and counter-ions. *Electrochimica Acta*, **2016**, 219, 673-681 6.7 8
- 224 Formation and analysis of the specific features of the electronic structure of an array of Ge/ZnSe nanoscale heterostructures. *Materials Research Express*, **2016**, 3, 115004 1.7 1

223	Synthesis of cerium orthophosphates with monazite and rhabdophane structure from phosphoric acid solutions in the presence of hydrogen peroxide. <i>Russian Journal of Inorganic Chemistry</i> , <b>2016</b> , 61, 1219-1224	1.5	10
222	Radioprotective effects of ultra-small citrate-stabilized cerium oxide nanoparticles in vitro and in vivo. <i>RSC Advances</i> , <b>2016</b> , 6, 106141-106149	3.7	36
221	Cerous phosphate gels: Synthesis, thermal decomposition and hydrothermal crystallization paths. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 447, 183-189	3.9	12
220	Cerium oxide nanoparticles stimulate proliferation of primary mouse embryonic fibroblasts in vitro. <i>Materials Science and Engineering C</i> , <b>2016</b> , 68, 406-413	8.3	40
219	Synthesis of BiFeB <sub>4</sub> O <sub>12</sub> Pyrochlore Nanoparticles with Visible-Light Photocatalytic Activity. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 2193-2199	2.3	8
218	Ni Self-Organized Balls as a Promising Energy Storage Material. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 16453-16458	3.8	3
217	Ni(Co) <sub>0.1</sub> Ti <sub>0.1</sub> Zr <sub>0.1</sub> Ce <sub>0.7</sub> O <sub>2</sub> mesoporous materials in partial oxidation and dry reforming of methane into synthesis gas. <i>Chemical Engineering Journal</i> , <b>2016</b> , 290, 193-200	14.7	33
216	Cerium dioxide nanoparticles increase immunogenicity of the influenza vaccine. <i>Antiviral Research</i> , <b>2016</b> , 127, 1-9	10.8	9
215	Hierarchic nanostructuring by self-reduction of silver (I) oxide complexes. <i>Functional Materials Letters</i> , <b>2016</b> , 09, 1650014	1.2	6
214	Mesostructure of yttrium and aluminum basic salts coprecipitated from aqueous solutions under ultrasonic treatment. <i>Journal of Surface Investigation</i> , <b>2016</b> , 10, 177-186	0.5	1
213	Methyl tert-butyl ether as a new solvent for the preparation of SiO <sub>2</sub> /TiO <sub>2</sub> binary aerogels. <i>Inorganic Materials</i> , <b>2016</b> , 52, 163-169	0.9	10
212	Sulfated alumina aerogel-based superacid catalysts for 1-hexene oligomerization. <i>Russian Journal of Inorganic Chemistry</i> , <b>2016</b> , 61, 7-10	1.5	3
211	New Sr <sub>1-x</sub> R <sub>x</sub> (NH <sub>4</sub> ) <sub>2</sub> F <sub>2+x</sub> (R = Yb, Er) solid solution as precursor for high efficiency up-conversion luminophor and optical ceramics on the base of strontium fluoride. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 172, 150-157	4.4	22
210	How to Tune the Alumina Aerogels Structure by the Variation of a Supercritical Solvent. Evolution of the Structure During Heat Treatment. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3319-3325	3.8	17
209	NaYF <sub>4</sub> :Yb:Er@AlPc(C <sub>2</sub> O <sub>3</sub> ) <sub>4</sub> -Based efficient up-conversion luminophores capable to generate singlet oxygen under IR excitation. <i>Journal of Fluorine Chemistry</i> , <b>2016</b> , 182, 104-108	2.1	5
208	New nanocomposites for SERS studies of living cells and mitochondria. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 539-546	7.3	23
207	CITRATE-STABILIZED NANOPARTICLES OF CeO <sub>2</sub> STIMULATE PROLIFERATION OF HUMAN MESENCHYMAL STEM CELLS IN VITRO. <i>International Journal of Nanomechanics Science and Technology</i> , <b>2016</b> , 7, 235-246		2
206	Facile fabrication of luminescent organic dots by thermolysis of citric acid in urea melt, and their use for cell staining and polyelectrolyte microcapsule labelling. <i>Beilstein Journal of Nanotechnology</i> , <b>2016</b> , 7, 1905-1917	3	28

205	SiO <sub>2</sub> /TiO <sub>2</sub> binary aerogels: Synthesis in new supercritical fluids and study of thermal stability. <i>Russian Journal of Inorganic Chemistry</i> , <b>2016</b> , 61, 1339-1346	1.5	4
204	Comparing the effects of oxidation heat treatment and lithium enrichment on the corrosion resistance of basalt glass fiber. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2016</b> , 52, 1187-1192	0.9	1
203	Possibilities of surface-sensitive X-ray methods for studying the molecular mechanisms of interaction of nanoparticles with model membranes. <i>Crystallography Reports</i> , <b>2016</b> , 61, 857-865	0.6	2
202	Phase diagram of the NaF-CaF <sub>2</sub> system and the electrical conductivity of a CaF <sub>2</sub> -based solid solution. <i>Russian Journal of Inorganic Chemistry</i> , <b>2016</b> , 61, 1472-1478	1.5	10
201	Powders Mixtures Based on Ammonium Pyrophosphate and Calcium Carbonate for Preparation of Biocompatible Porous Ceramic in the CaO-B <sub>2</sub> O <sub>5</sub> System. <i>Refractories and Industrial Ceramics</i> , <b>2016</b> , 56, 502-509	1.1	11
200	Selective hydrothermal microwave synthesis of various manganese dioxide polymorphs. <i>Russian Journal of Inorganic Chemistry</i> , <b>2016</b> , 61, 129-134	1.5	7
199	New hydrophobic materials based on poly(tetrafluoroethylene-co-vinylidene fluoride) fiber. <i>Inorganic Materials: Applied Research</i> , <b>2016</b> , 7, 292-299	0.6	
198	Hydrophobization of porous ceramic materials using supercritical carbon dioxide. <i>Inorganic Materials</i> , <b>2016</b> , 52, 386-392	0.9	8
197	Interaction of nanoceria with microorganisms <b>2016</b> , 419-450		8
196	High-yield microwave synthesis of layered Y <sub>2</sub> (OH) <sub>5</sub> NO <sub>3</sub> ·xH <sub>2</sub> O materials. <i>CrystEngComm</i> , <b>2015</b> , 17, 2667-2674	3.5	24
195	Porous Ceramic Based on Calcium Pyrophosphate. <i>Refractories and Industrial Ceramics</i> , <b>2015</b> , 56, 43-47	1.1	4
194	Hexafluoroacetone: A new solvent for manufacturing SiO <sub>2</sub> -based aerogels. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 541-545	1.5	7
193	Influence of morphology and defects in crystals of porous coordination polymers on the sorption characteristics. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2015</b> , 41, 353-361	1.6	2
192	Synthesis of basic yttrium nitrate. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 259-264	1.5	4
191	Methyltrimethoxysilane-based elastic aerogels: Effects of the supercritical medium on structure-sensitive properties. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 488-492	1.5	15
190	Selective oxidation of methane to synthesis gas: Cobalt- and nickel-based catalysts. <i>Doklady Physical Chemistry</i> , <b>2015</b> , 461, 73-79	0.8	12
189	Synthesis of inorganic dyes based on plasmonic silver nanoparticles for the visible and infrared regions of the spectrum. <i>Nanotechnologies in Russia</i> , <b>2015</b> , 10, 25-33	0.6	
188	Properties of 1- n -butyl-3-methylimidazolium bromide/copper (II) bromide ionic liquid as electrolyte for electrochemical deposition of copper. <i>Surface and Coatings Technology</i> , <b>2015</b> , 272, 246-253	1.4	2

187	Synthesis of nanocrystalline birnessite and cryptomelane by microwave hydrothermal treatment. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1299-1303	1.5	10
186	Highly tunable plasmonic assemblies of gold nanoparticles: in-plane manipulation of plasmon coupling with nanometer precision. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 11801-11805	7.1	6
185	Microbead silica decorated with polyhedral silver nanoparticles as a versatile component of sacrificial gel films for SERS applications. <i>RSC Advances</i> , <b>2015</b> , 5, 90335-90342	3.7	7
184	Antibacterial and photochemical properties of cellulose nanofiber-titania nanocomposites loaded with two different types of antibiotic medicines. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7125-7134	7.3	43
183	Effect of the nature of promoters, the alkaline treatment of ZSM-5 zeolites, and the method of their synthesis on the conversion of C <sub>3</sub> -C <sub>4</sub> alkanes. <i>Theoretical Foundations of Chemical Engineering</i> , <b>2015</b> , 49, 502-511	0.9	7
182	A facile and convenient synthesis and photovoltaic characterization of novel thieno[2,3-b]indole dyes for dye-sensitized solar cells. <i>Synthetic Metals</i> , <b>2015</b> , 199, 152-158	3.6	33
181	Combined SANS and SAXS study of the action of ultrasound on the structure of amorphous zirconia gels. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 24, 230-7	8.9	16
180	Basic features and crystal-growth scenarios based on the mechanism of oriented attachment growth of nanoparticles. <i>Doklady Physics</i> , <b>2015</b> , 60, 483-485	0.8	5
179	Synthesis of a peroxo derivative of layered yttrium hydroxide. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1027-1033	1.5	9
178	Hydrothermal Synthesis of Nanocrystalline Titanium Dioxide for Use as a Photoanode of DSSCs. <i>Key Engineering Materials</i> , <b>2015</b> , 670, 156-161	0.4	1
177	Microwave-Assisted Hydrothermal Synthesis of Layered Europium Hydroxynitrate, Eu <sub>2</sub> (OH) <sub>5</sub> NO <sub>3</sub> ·H <sub>2</sub> O. <i>Current Microwave Chemistry</i> , <b>2015</b> , 3, 3-8	0.7	6
176	Facile synthesis of vanadia aerogels with controlled V <sup>3+</sup> /V <sup>4+</sup> ratio. <i>Materials Letters</i> , <b>2015</b> , 156, 109-112	3.3	9
175	Controlling micro- and nanostructure and activity of the NaAlO <sub>2</sub> biodiesel transesterification catalyst by its dissolution in a mesoporous Al <sub>2</sub> O <sub>3</sub> -matrix. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 76, 90-97	2.3	9
174	Cu-Containing Carbon Nanocomposites Based on Cellulose. <i>Fibre Chemistry</i> , <b>2015</b> , 47, 284-290	0.6	2
173	New aerogels chemically modified with amino complexes of bivalent copper. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1459-1463	1.5	2
172	Preparation of calcium silicates with long-fiber (needle) particles. <i>Theoretical Foundations of Chemical Engineering</i> , <b>2015</b> , 49, 736-742	0.9	2
171	One Step Microwave-Assisted Synthesis of Fluorinated Titania Photocatalyst. <i>Key Engineering Materials</i> , <b>2015</b> , 670, 177-182	0.4	1
170	Advances and prospects of using nanocrystalline ceria in prolongation of lifespan and healthy aging. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1595-1625	1.5	4

169	Hydrophobicity/hydrophilicity control for SiO <sub>2</sub> -based aerogels: The role of a supercritical solvent. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1169-1172	1.5	9
168	Cerium fluoride nanoparticles protect cells against oxidative stress. <i>Materials Science and Engineering C</i> , <b>2015</b> , 50, 151-9	8.3	38
167	Photocatalytically active fluorinated nano-titania synthesized by microwave-assisted hydrothermal treatment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 303-304, 36-43	4.7	15
166	Cellulose nanofiber-titania nanocomposites as potential drug delivery systems for dermal applications. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 1688-1698	7.3	79
165	Effects caused by glutamic acid and hydrogen peroxide on the morphology of hydroxyapatite, calcium hydrogen phosphate, and calcium pyrophosphate. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1-8	1.5	6
164	Microstructure of Zirconia-Based Sol-Gel Glasses Studied by SANS. <i>Acta Physica Polonica A</i> , <b>2015</b> , 128, 582-585	0.6	
163	Determination of cerium(III) and cerium(IV) in nanodisperse ceria by chemical methods. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 15-23	1.5	22
162	Strength Characteristics of Resorbable Osteoconductive Ceramics Based on Diphosphates of Calcium and Alkali Metals. <i>Russian Physics Journal</i> , <b>2014</b> , 56, 1183-1189	0.7	4
161	Hexafluoroisopropyl alcohol as a new solvent for aerogels preparation. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 89, 28-32	4.2	27
160	Complete inheritance of fractal properties during first-order phase transition. <i>Journal of Physics and Chemistry of Solids</i> , <b>2014</b> , 75, 296-299	3.9	7
159	Aqueous Diamminesilver Hydroxide as a Precursor of Pure Silver Nanoparticles for SERS Probing of Living Erythrocytes. <i>Plasmonics</i> , <b>2014</b> , 9, 227-235	2.4	23
158	Effect of the pH on the formation of NaYF <sub>4</sub> :Yb:Er nanopowders by co-crystallization in presence of polyethyleneimine. <i>Journal of Fluorine Chemistry</i> , <b>2014</b> , 158, 60-64	2.1	7
157	Diethyl and methyl-tert-buthyl ethers as new solvents for aerogels preparation. <i>Materials Letters</i> , <b>2014</b> , 116, 116-119	3.3	30
156	Panthenol-stabilized cerium dioxide nanoparticles for cosmeceutic formulations against ROS-induced and UV-induced damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2014</b> , 130, 102-8	6.7	31
155	Functionalization of aerogels by the use of pre-constructed monomers: the case of trifluoroacetylated (3-aminopropyl) triethoxysilane. <i>RSC Advances</i> , <b>2014</b> , 4, 52423-52429	3.7	16
154	Study of the properties of silica-modified hydroxyapatite with various contents of silicate ions synthesized in microwave field. <i>Theoretical Foundations of Chemical Engineering</i> , <b>2014</b> , 48, 682-686	0.9	2
153	Synthesis and photoelectrochemical properties of cyclometallated ruthenium(II) complex. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 658-664	1.5	1
152	Soft chemistry synthesis of powders in the BaF <sub>2</sub> -ScF <sub>3</sub> system. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 773-777	1.5	6

151	Phase equilibria in the tricalcium phosphate-mixed calcium sodium (potassium) phosphate systems. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 1219-1227	1.5	25
150	On the size effect in nanocrystalline cerium dioxide: Is the Tsunekawa model correct?. <i>Journal of Surface Investigation</i> , <b>2014</b> , 8, 997-1001	0.5	6
149	Platinum acetate blue: synthesis and characterization. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8397-406	5.1	12
148	Direct monitoring of the interaction between ROS and cerium dioxide nanoparticles in living cells. <i>RSC Advances</i> , <b>2014</b> , 4, 51703-51710	3.7	14
147	Nucleation and growth of fluoride crystals by agglomeration of the nanoparticles. <i>Journal of Crystal Growth</i> , <b>2014</b> , 401, 63-66	1.6	14
146	Features of Octacalcium Phosphate Thermolysis. <i>Refractories and Industrial Ceramics</i> , <b>2014</b> , 54, 420-424	1.1	14
145	1-hexene oligomerization by fluorinated tin dioxide. <i>Inorganic Materials</i> , <b>2014</b> , 50, 479-481	0.9	1
144	Cyclometalated ruthenium complex as a promising sensitizer in dye-sensitized solar cells. <i>Russian Journal of Electrochemistry</i> , <b>2014</b> , 50, 503-509	1.2	11
143	Preparation of nanosized powders of calcium hydrosilicates for the use in composite materials. <i>Theoretical Foundations of Chemical Engineering</i> , <b>2014</b> , 48, 468-476	0.9	
142	Effect of heterovalent substitution on the electrical and optical properties of ZnO(M) thin films (M = Ga, In). <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 403-412	1.5	5
141	Synthesis of Nanocrystalline Titania via Microwave-Assisted Homogeneous Hydrolysis Under Hydrothermal Conditions. <i>Current Microwave Chemistry</i> , <b>2014</b> , 1, 81-86	0.7	6
140	Oriented attachment of particles: 100 years of investigations of non-classical crystal growth. <i>Russian Chemical Reviews</i> , <b>2014</b> , 83, 1204-1222	6.8	141
139	Advances and prospects of using nanocrystalline ceria in cancer theranostics. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 1556-1575	1.5	21
138	Effect of synthetic conditions on the properties of methyltrimethoxysilane-based aerogels. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 1392-1395	1.5	6
137	Synthesis of SrF <sub>2</sub> /F <sub>3</sub> nanopowders by co-precipitation from aqueous solutions. <i>Mendeleev Communications</i> , <b>2014</b> , 24, 360-362	1.9	34
136	Structure of zirconium dioxide based porous glasses. <i>Journal of Surface Investigation</i> , <b>2014</b> , 8, 967-975	0.5	3
135	Synthesis of gadolinium hydroxo nitrate under microwave-hydrothermal treatment conditions. <i>Russian Journal of Inorganic Chemistry</i> , <b>2014</b> , 59, 1383-1391	1.5	12
134	Study of CeO <sub>2</sub> nanoparticle interactions with biological cells and lipid bilayers. <i>Journal of Biological Physics and Chemistry</i> , <b>2014</b> , 14, 6-10	2	2

- 133 The changes of the motor function of the stomach and the colon under the action of the nanocrystalline cerium dioxide. *Fiziologichnyi Zhurnal (Kiev, Ukraine: 1994)*, **2014**, 60, 67-74 0.1
- 132 Preferential oxidation of carbon monoxide on supported gold catalysts. *Kinetics and Catalysis*, **2013**, 54, 358-368 1.5 7
- 131 Synthesis, spectral properties, cation-induced dimerization and photochemical stability of tetra-(15-crown-5)-phthalocyaninato indium(III). *Journal of Porphyrins and Phthalocyanines*, **2013**, 17, 564-572 1.8 22
- 130 One-dimensional CuO/SnO<sub>2</sub> p-n heterojunctions for enhanced detection of H<sub>2</sub>S. *Journal of Materials Chemistry A*, **2013**, 1, 11261 13 52
- 129 Synthesis of nanostructured sodium calcium tripolyphosphate using organic templates. *Inorganic Materials*, **2013**, 49, 813-820 0.9 2
- 128 Transport properties of hybrid materials based on MF-4SC perfluorinated ion-exchange membranes and nanosized ceria. *Nanotechnologies in Russia*, **2013**, 8, 461-465 0.6 3
- 127 Transport properties of thin SnO<sub>2</sub>/Sb films grown by pulsed laser deposition. *Inorganic Materials*, **2013**, 49, 1123-1126 0.9 2
- 126 Modifying brushite-containing phosphate cements by complexing additives. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 1152-1159 1.5 6
- 125 Synergism of composition of nitrogen- and sulfur-containing compounds as a tribological active additive to lubricants. *Journal of Friction and Wear*, **2013**, 34, 385-390 0.9 3
- 124 New magnetic material based on modified multi-walled carbon nanotubes and iron(III) derivatives. *Russian Chemical Bulletin*, **2013**, 62, 646-656 1.7 1
- 123 Titanium-containing compounds as efficient triboadditives to oils. *Journal of Friction and Wear*, **2013**, 34, 487-493 0.9 3
- 122 The dependence of efficacy of cell growth on biosynthetic medicinal materials on the microstructure of their surface. *Cell and Tissue Biology*, **2013**, 7, 586-590 0.4 1
- 121 Preparation of aqueous sols of Ce<sub>1-x</sub>Gd<sub>x</sub>O<sub>2-y</sub>/Y<sub>0.9</sub>Eu<sub>0.1</sub>VO<sub>4</sub> and nanocomposites Ce<sub>1-x</sub>Gd<sub>x</sub>O<sub>2-y</sub>/Y<sub>0.9</sub>Eu<sub>0.1</sub>VO<sub>4</sub> stabilized by polyacrylic acid. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 1287-1293 1.5 1
- 120 Unusual silver nanostructures prepared by aerosol spray pyrolysis. *CrystEngComm*, **2013**, 15, 7863 3.3 19
- 119 pH control of the structure, composition, and catalytic activity of sulfated zirconia. *Journal of Solid State Chemistry*, **2013**, 198, 496-505 3.3 21
- 118 Iron complex redox system as a mediator for a dye-sensitized solar cell. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 62-66 1.5 2
- 117 Effect of cerium dioxide nanoparticles on the expression of selected growth and transcription factors in human astrocytes. *Materialwissenschaft Und Werkstofftechnik*, **2013**, 44, 156-160 0.9 4
- 116 Fluorinated Metal Oxide-assisted Oligomerization of Olefins. *Mendeleev Communications*, **2013**, 23, 110-112 1.2 3

115	Durable icephobic coating for stainless steel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2549-54	9.5	191
114	Ceramics based on calcium pyrophosphate nanopowders. <i>Processing and Application of Ceramics</i> , <b>2013</b> , 7, 9-14	1.4	18
113	Structure of polytetrafluoroethylene powders obtained by photochemical polymerization of gaseous monomer. <i>Inorganic Materials: Applied Research</i> , <b>2013</b> , 4, 131-137	0.6	2
112	Photoelectrochemical cells based on nanocrystalline TiO <sub>2</sub> synthesized by high temperature hydrolysis of ammonium dihydroxylactatotitanate(IV). <i>Russian Journal of Electrochemistry</i> , <b>2013</b> , 49, 423-427	1.2	1
111	Polyol-mediated synthesis of nanocrystalline ceria doped with neodymium, europium, gadolinium, and ytterbium. <i>Doklady Chemistry</i> , <b>2012</b> , 443, 82-85	0.8	2
110	Production of CeO <sub>2</sub> -SiO <sub>2</sub> thin composite films. <i>Doklady Chemistry</i> , <b>2012</b> , 444, 120-123	0.8	2
109	Synthesis of ultrafine fluorite Sr <sub>1-x</sub> Nd <sub>x</sub> F <sub>2+x</sub> powders. <i>Inorganic Materials</i> , <b>2012</b> , 48, 531-538	0.9	11
108	Synthesis of nanocrystalline ZrO <sub>2</sub> with tailored phase composition and microstructure under high-power sonication. <i>Inorganic Materials</i> , <b>2012</b> , 48, 494-499	0.9	4
107	Bioactive coatings based on nanodiamond-modified epoxy siloxane sols for stone materials. <i>Inorganic Materials</i> , <b>2012</b> , 48, 702-708	0.9	19
106	Comparison of antiwear properties of titanium-containing compounds. <i>Petroleum Chemistry</i> , <b>2012</b> , 52, 204-207	1.1	4
105	Reaction of the Pt(III) complex, [Pt <sub>2</sub> (NHCOMe) <sub>4</sub> Cl <sub>2</sub> ], with 1,10-phenanthroline and solid-state thermolysis of 1,10-phenanthroline-containing platinum blues. <i>Russian Chemical Bulletin</i> , <b>2012</b> , 61, 230-239	1.7	5
104	Effect of high intensity ultrasound on the mesostructure of hydrated zirconia. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 340, 012057	0.3	2
103	Planar SERS nanostructures with stochastic silver ring morphology for biosensor chips. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24530		57
102	Production and properties of nanostructured composite films containing silica and d-metal oxides (Mn, Fe, Co, Ni). <i>Doklady Chemistry</i> , <b>2012</b> , 445, 155-158	0.8	5
101	Chromium(III) oxyhydroxide synthesis under intense sonication. <i>Doklady Chemistry</i> , <b>2012</b> , 446, 180-182	0.8	
100	Hydrothermal microwave synthesis of nanocrystalline anatase. <i>Doklady Chemistry</i> , <b>2012</b> , 447, 241-243	0.8	5
99	Sulfated SnO <sub>2</sub> As a high-performance catalyst for alkene oligomerization. <i>Inorganic Materials</i> , <b>2012</b> , 48, 1012-1019	0.9	5
98	Microwave-hydrothermal synthesis of gadolinium-doped nanocrystalline ceria in the presence of hexamethylenetetramine. <i>Russian Journal of Inorganic Chemistry</i> , <b>2012</b> , 57, 1303-1307	1.5	12

97	Nanocomposites based on opal matrices and iron subgroup metal nanoparticles. <i>Russian Journal of Inorganic Chemistry</i> , <b>2012</b> , 57, 1419-1427	1.5	8
96	Synthesis and antioxidant activity of biocompatible maltodextrin-stabilized aqueous sols of nanocrystalline ceria. <i>Russian Journal of Inorganic Chemistry</i> , <b>2012</b> , 57, 1411-1418	1.5	16
95	Cyclic peroxosolvated calcium polyphosphates. <i>Russian Journal of Inorganic Chemistry</i> , <b>2012</b> , 57, 6-14	1.5	2
94	2D "soap"-assembly of nanoparticles via colloid-induced condensation of mixed Langmuir monolayers of fatty surfactants. <i>Langmuir</i> , <b>2012</b> , 28, 125-33	4	13
93	Hydrothermal and hydrothermal-microwave syntheses of oriented nanorods of zinc oxide on an ITO substrate. <i>Doklady Chemistry</i> , <b>2012</b> , 444, 117-119	0.8	4
92	Synthesis of ZrO <sub>2</sub> :Eu solid solutions using homogeneous precipitation methods. <i>Doklady Chemistry</i> , <b>2011</b> , 436, 11-14	0.8	1
91	Inhibition of adrenaline autooxidation by nanocrystalline ceria. <i>Doklady Chemistry</i> , <b>2011</b> , 437, 60-62	0.8	3
90	One-stage synthesis of ceria colloid solutions for biomedical use. <i>Doklady Chemistry</i> , <b>2011</b> , 437, 103-106	0.8	19
89	Nanostructured silica-silver composite films with surface plasmon resonance. <i>Doklady Chemistry</i> , <b>2011</b> , 438, 160-163	0.8	4
88	Synthesis of superfine titania via high-temperature hydrolysis of titanium(IV) bis(ammonium lactato) dihydroxide. <i>Doklady Chemistry</i> , <b>2011</b> , 441, 361-364	0.8	6
87	Nanocrystalline ceria based materials: Perspectives for biomedical application. <i>Biophysics (Russian Federation)</i> , <b>2011</b> , 56, 987-1004	0.7	28
86	Nanostructured sodium calcium tripolyphosphate and its peroxo derivatives are a new generation of bioceramic materials. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 1004-1011	1.5	2
85	Nanocrystalline Ce <sub>0.8</sub> Eu <sub>y</sub> R <sub>0.2-y</sub> O <sub>2-x</sub> (R = Yb, Er) solid solutions: Synthesis by homogeneous hydrolysis method. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 1688-1692	1.5	1
84	The synthesis and study of the transport properties of hybrid materials based on MF-4SK perfluorosulfonated cation-exchange membranes modified with ceria. <i>Petroleum Chemistry</i> , <b>2011</b> , 51, 652-656	1.1	2
83	Cooperative formation of crystals by aggregation and intergrowth of nanoparticles. <i>Doklady Physics</i> , <b>2011</b> , 56, 205-207	0.8	11
82	UV-shielding property, photocatalytic activity and photocytotoxicity of ceria colloid solutions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2011</b> , 102, 32-8	6.7	122
81	Size effect in CO oxidation on CeO <sub>2</sub> nanoparticles. <i>Doklady Chemistry</i> , <b>2010</b> , 430, 4-7	0.8	3
80	Synthesis of nanocrystalline ceria colloids in nonpolar solvents. <i>Doklady Chemistry</i> , <b>2010</b> , 430, 24-26	0.8	7

79	Inactivation of the nitroxyl radical by ceria nanoparticles. <i>Doklady Chemistry</i> , <b>2010</b> , 430, 43-46	0.8	9
78	Synthesis of polymer composites based on nanocrystalline ZnO and CeO <sub>2</sub> . <i>Doklady Chemistry</i> , <b>2010</b> , 431, 109-112	0.8	6
77	Synthesis of nanocrystalline solid solutions Ce <sub>1-x</sub> R <sub>x</sub> O <sub>2</sub> (R = Nd, Eu) by the homogeneous hydrolysis method. <i>Doklady Chemistry</i> , <b>2010</b> , 433, 183-185	0.8	4
76	Solvothermal synthesis of colloidal solutions of transition metal (Fe, Co, Mn) oxides. <i>Doklady Chemistry</i> , <b>2010</b> , 433, 199-201	0.8	2
75	Photocatalytic activity of nanodispersed zinc oxide synthesized by hydrothermal microwave route. <i>Doklady Chemistry</i> , <b>2010</b> , 434, 223-225	0.8	9
74	Thermal stability of nanocrystalline CeO <sub>2</sub> prepared through freeze drying. <i>Inorganic Materials</i> , <b>2010</b> , 46, 43-46	0.9	13
73	Ultrasound-induced changes in mesostructure of amorphous iron (III) hydroxide xerogels: A small-angle neutron scattering study. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	9
72	Lattice expansion and oxygen non-stoichiometry of nanocrystalline ceria. <i>CrystEngComm</i> , <b>2010</b> , 12, 3531-3533	3.3	68
71	Microwave-hydrothermal synthesis of stable nanocrystalline ceria sols for biomedical uses. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 1-5	1.5	11
70	Hydrothermal synthesis of efficient TiO <sub>2</sub> -based photocatalysts. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 150-154	1.5	20
69	Evolution of composition and fractal structure of hydrous zirconia xerogels during thermal annealing. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 155-161	1.5	9
68	Oxygen nonstoichiometry of nanocrystalline ceria. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 325-327	1.5	23
67	Synthesis and thermal stability of nanocrystalline ceria sols stabilized by citric and polyacrylic acids. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 328-332	1.5	27
66	Hydrothermal synthesis and catalytic properties of superacid sulfated titania. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 661-664	1.5	4
65	Crystallization of hydrous zirconia and hafnia during hydrothermal treatment. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 665-669	1.5	5
64	Yttrium oxide nanopowders from carbonate precursors. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 821-827	1.5	7
63	Electrochemical intercalation of lithium into nanocrystalline ceria. <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 991-994	1.5	7
62	Investigation of the evolution of the hydrated zirconia mesostructure at different stages of heat treatment. <i>Physics of the Solid State</i> , <b>2010</b> , 52, 957-963	0.8	5

61	Specific features of the mesostructure of amorphous iron(III) hydroxide xerogels synthesized in an ultrasonic field. <i>Physics of the Solid State</i> , <b>2010</b> , 52, 979-984	0.8	
60	Nanocrystalline ceria: Synthesis, structure-sensitive properties, and promising applications. <i>Russian Journal of General Chemistry</i> , <b>2010</b> , 80, 604-617	0.7	25
59	Evolution of yttria nanoparticle ensembles. <i>Nanotechnologies in Russia</i> , <b>2010</b> , 5, 624-634	0.6	5
58	Calcium phosphate scaffolds fabricated via chemical bonding technique from different precursors. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2009</b> , 40, 277-284	0.9	4
57	Phase composition of powdered material based on calcium hydroxyapatite and sodium dihydrophosphate. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , <b>2009</b> , 66, 293-296	0.6	3
56	Mechanism of formation of finely dispersed zinc oxide in homogeneous hydrolysis of zinc nitrate in the presence of hexamethylenetetramine. <i>Doklady Chemistry</i> , <b>2009</b> , 426, 101-104	0.8	2
55	Hydrothermal microwave synthesis of nanocrystalline cerium dioxide. <i>Doklady Chemistry</i> , <b>2009</b> , 426, 131-133	0.8	12
54	Mesostructure of hydrated hafnia xerogels. <i>Doklady Chemistry</i> , <b>2009</b> , 427, 160-163	0.8	3
53	Oxidation of CO on nanocrystalline ceria promoted by transition metal oxides. <i>Doklady Chemistry</i> , <b>2009</b> , 427, 186-189	0.8	8
52	Hydrogen production via steam reforming of ethanol on ceria-containing catalysts. <i>Doklady Chemistry</i> , <b>2009</b> , 427, 190-193	0.8	
51	Bioresorbable carbonated hydroxyapatite $\text{Ca}_{10}\text{N}_x(\text{PO}_4)_6(\text{CO}_3)_x(\text{OH})_2$ powders for bioactive materials preparation. <i>Open Chemistry</i> , <b>2009</b> , 7, 168-174	1.6	16
50	Microstructure and sensing properties of nanocrystalline indium oxide prepared using hydrothermal treatment. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 163-171	1.5	6
49	Antioxidant activity of nanocrystalline ceria to anthocyanins. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 1522-1527	1.5	14
48	Synthesis of ultrathin ceria nanoplates. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 1528-1530	1.5	13
47	Specifics of high-temperature coarsening of ceria nanoparticles. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 1689-1696	1.5	12
46	Hydrothermal growth of ceria nanoparticles. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 1857-1861	1.5	13
45	Mesostructure, fractal properties and thermal decomposition of hydrous zirconia and hafnia. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 2091-2106	1.5	21
44	Hydrothermal synthesis of nanocrystalline anatase from aqueous solutions of titanyl sulfate for photocatalytic applications. <i>Theoretical Foundations of Chemical Engineering</i> , <b>2009</b> , 43, 713-718	0.9	4

43	Structure-sensitive properties and biomedical applications of nanodispersed cerium dioxide. <i>Russian Chemical Reviews</i> , <b>2009</b> , 78, 855-871	6.8	124
42	Biological activity of nanocrystalline cerium dioxide. <i>Doklady Chemistry</i> , <b>2008</b> , 420, 141-143	0.8	10
41	Formation mechanism of nanocrystalline ceria in aqueous solutions of cerium(III) nitrate and hexamethylenetetramine. <i>Inorganic Materials</i> , <b>2008</b> , 44, 51-57	0.9	37
40	Fractal structure of ceria nanopowders. <i>Inorganic Materials</i> , <b>2008</b> , 44, 272-277	0.9	12
39	Preparation of ceria nanoparticles. <i>Inorganic Materials</i> , <b>2008</b> , 44, 853-855	0.9	6
38	Carbonated hydroxyapatite nanopowders for preparation of bioresorbable materials. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2008</b> , 39, 822-829	0.9	24
37	Hydrothermal and microwave-assisted synthesis of nanocrystalline ZnO photocatalysts. <i>Superlattices and Microstructures</i> , <b>2007</b> , 42, 421-424	2.8	30
36	Kinetics and mechanism of nickel ferrite formation under high temperature ultrasonic treatment. <i>Ultrasonics Sonochemistry</i> , <b>2007</b> , 14, 131-4	8.9	16
35	Microwave-assisted hydrothermal synthesis and photocatalytic activity of ZnO. <i>Inorganic Materials</i> , <b>2007</b> , 43, 35-39	0.9	36
34	Mesostructure of xerogels of hydrated zirconium dioxide. <i>JETP Letters</i> , <b>2007</b> , 85, 122-126	1.2	12
33	Rapid formation of nanocrystalline HfO <sub>2</sub> powders from amorphous hafnium hydroxide under ultrasonically assisted hydrothermal treatment. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 104, 439-443	4.4	38
32	Chemical processes during the heat treatment of basalt fibers. <i>Protection of Metals</i> , <b>2007</b> , 43, 694-700		2
31	Synthesis of nanosized ceria with controlled particle sizes and bandgap widths. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 1184-1188	1.5	23
30	Effect of hydrothermal and ultrasonic/hydrothermal treatment on the phase composition and micromorphology of yttrium hydroxocarbonate. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 1321-1327	1.5	6
29	Hydrothermal/microwave and hydrothermal/ultrasonic synthesis of nanocrystalline titania, zirconia, and hafnia. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 1648-1656	1.5	17
28	ZnO formation under hydrothermal conditions from zinc hydroxide compounds with various chemical histories. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 1811-1816	1.5	44
27	Sonochemical synthesis of inorganic materials. <i>Russian Chemical Reviews</i> , <b>2007</b> , 76, 133-151	6.8	64
26	Hydrothermal synthesis of ultrafine ZnO powders as investigated by calvet calorimetry. <i>Doklady Chemistry</i> , <b>2006</b> , 410, 185-188	0.8	4

25	Formation of nanocrystalline ceria from cerium(III) nitrate solutions in aqueous alcohol. <i>Doklady Chemistry</i> , <b>2006</b> , 411, 223-225	0.8	11
24	Ultrasonically assisted hydrothermal synthesis of nanocrystalline ZrO <sub>2</sub> , TiO <sub>2</sub> , NiFe <sub>2</sub> O <sub>4</sub> and Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> powders. <i>Ultrasonics Sonochemistry</i> , <b>2006</b> , 13, 47-53	8.9	114
23	Gel structures in soils. <i>Eurasian Soil Science</i> , <b>2006</b> , 39, 738-747	1.5	7
22	Hydrothermal synthesis and photocatalytic activity of highly dispersed ZnO powders. <i>Russian Journal of Inorganic Chemistry</i> , <b>2006</b> , 51, 1523-1527	1.5	4
21	Chemical transformations of basic yttrium nitrates during ultrasonic-hydrothermal treatment. <i>Russian Journal of Inorganic Chemistry</i> , <b>2006</b> , 51, 1689-1695	1.5	8
20	Mechanism and kinetics of the hydrothermal synthesis of titanium dioxide. <i>Russian Journal of Inorganic Chemistry</i> , <b>2006</b> , 51, 1841-1845	1.5	3
19	Synthesis of Magnetic Glass Ceramics Based on Strontium Hexaferrite by Microwave Heating. <i>Doklady Chemistry</i> , <b>2005</b> , 402, 69-71	0.8	4
18	Hydrothermal Synthesis of Nanosized Zirconia as Probed by Heat-Flow Calorimetry. <i>Doklady Chemistry</i> , <b>2005</b> , 403, 152-154	0.8	1
17	Fractal Structures of Soil Colloids. <i>Doklady Chemistry</i> , <b>2005</b> , 404, 199-202	0.8	4
16	Fractal Colloidal Structures in Soils of Various Zonalities. <i>Doklady Chemistry</i> , <b>2005</b> , 405, 240-242	0.8	4
15	Kinetics and mechanism of the high-temperature sonochemical synthesis of spinel-type ferrites. <i>Mendeleev Communications</i> , <b>2004</b> , 14, 143-144	1.9	5
14	Synthesis of multicomponent ferrites by microwave treatment of nitrate mixtures. <i>Mendeleev Communications</i> , <b>2004</b> , 14, 145-146	1.9	3
13	Kinetics of the Formation of Zinc Ferrite in an Ultrasonic Field. <i>Doklady Chemistry</i> , <b>2004</b> , 397, 146-148	0.8	5
12	Ultrasonically Activated Hydrothermal Synthesis of Fine TiO <sub>2</sub> and ZrO <sub>2</sub> Powders. <i>Inorganic Materials</i> , <b>2004</b> , 40, 1058-1065	0.9	17
11	Microstructural Evolution of Fe <sub>2</sub> O <sub>3</sub> and ZnFe <sub>2</sub> O <sub>4</sub> during Sonochemical Synthesis of Zinc Ferrite. <i>Inorganic Materials</i> , <b>2004</b> , 40, 1091-1094	0.9	12
10	Synthesis of Ultrafine Oxide Powders by Hydrothermal-Ultrasonic Method. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 788, 8121		
9	Synthesis of Nanodisperse Co <sub>3</sub> O <sub>4</sub> Powders under Hydrothermal Conditions with Concurrent Ultrasonic Treatment. <i>Doklady Chemistry</i> , <b>2003</b> , 389, 62-64	0.8	11
8	Effect of Ultrasonic Processing on Solid-State H <sup>+</sup> /Cs <sup>+</sup> Ion Exchange in Acid Zirconium and Tantalum Phosphates. <i>Inorganic Materials</i> , <b>2002</b> , 38, 714-717	0.9	3

7	Synthesis of Spherical Oxide Particles in Microwave Hydrolysis of Zr(IV), Ce(IV), and Ni(II) Salt Solutions. <i>Doklady Chemistry</i> , <b>2002</b> , 385, 175-177	0.8	6
6	Effect of Chemical History and Thermal Processing Conditions on the Surface Fractality of Iron(III) Oxide. <i>Doklady Chemistry</i> , <b>2002</b> , 386, 277-279	0.8	
5	Fractal Surfaces of ZrO <sub>2</sub> , WO <sub>3</sub> , and CeO <sub>2</sub> Powders. <i>Inorganic Materials</i> , <b>2002</b> , 38, 1224-1227	0.9	
4	Microwave Synthesis of Lithium, Copper, Cobalt, and Nickel Ferrites. <i>Doklady Chemistry</i> , <b>2002</b> , 387, 332-334	1.1	12
3	Processes in oxide systems under ultrasonic treatment at high temperatures. <i>Solid State Ionics</i> , <b>2001</b> , 141-142, 689-694	3.3	2
2	Composite Cerium Oxide Nanoparticles - Containing Polysaccharide Hydrogel as Effective Agent for Burn Wound Healing. <i>Key Engineering Materials</i> , <b>2001</b> , 189, 493-505	0.4	
1	Laser damage threshold of hydrophobic up-conversion carboxylated nanocellulose/SrF <sub>2</sub> :Ho composite films functionalized with 3-aminopropyltriethoxysilane. <i>Cellulose</i> , <b>2001</b> , 1, 1-10	5.5	0