Vladimir Ivanov

List of Publications by Citations

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	Durable icephobic coating for stainless steel. *ACS Applied Materials & Interfaces*, **2013**, 5, 2549-54	9.5	191
383	Oriented attachment of particles: 100 years of investigations of non-classical crystal growth. *Russian Chemical Reviews*, **2014**, 83, 1204-1222	6.8	141
382	Structure-sensitive properties and biomedical applications of nanodispersed cerium dioxide. *Russian Chemical Reviews*, **2009**, 78, 855-871	6.8	124
381	UV-shielding property, photocatalytic activity and photocytotoxicity of ceria colloid solutions. *Journal of Photochemistry and Photobiology B: Biology*, **2011**, 102, 32-8	6.7	122
380	Ultrasonically assisted hydrothermal synthesis of nanocrystalline ZrO2, TiO2, NiFe2O4 and Ni0.5Zn0.5Fe2O4 powders. *Ultrasonics Sonochemistry*, **2006**, 13, 47-53	8.9	114
379	Cellulose nanofiber-titania nanocomposites as potential drug delivery systems for dermal applications. *Journal of Materials Chemistry B*, **2015**, 3, 1688-1698	7.3	79
378	Lattice expansion and oxygen non-stoichiometry of nanocrystalline ceria. *CrystEngComm*, **2010**, 12, 3531	3.3	68
377	Sonochemical synthesis of inorganic materials. *Russian Chemical Reviews*, **2007**, 76, 133-151	6.8	64
376	Solubility of Nanocrystalline Cerium Dioxide: Experimental Data and Thermodynamic Modeling. *Journal of Physical Chemistry C*, **2016**, 120, 22615-22626	3.8	61
375	Planar SERS nanostructures with stochastic silver ring morphology for biosensor chips. *Journal of Materials Chemistry*, **2012**, 22, 24530		57
374	One-dimensional CuO□nO2 p□ heterojunctions for enhanced detection of H2S. *Journal of Materials Chemistry A*, **2013**, 1, 11261	13	52
373	ZnO formation under hydrothermal conditions from zinc hydroxide compounds with various chemical histories. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 1811-1816	1.5	44
372	Antibacterial and photochemical properties of cellulose nanofiber-titania nanocomposites loaded with two different types of antibiotic medicines. *Journal of Materials Chemistry B*, **2015**, 3, 7125-7134	7.3	43
371	Cerium oxide nanoparticles stimulate proliferation of primary mouse embryonic fibroblasts in vitro. *Materials Science and Engineering C*, **2016**, 68, 406-413	8.3	40
370	Cerium fluoride nanoparticles protect cells against oxidative stress. *Materials Science and Engineering C*, **2015**, 50, 151-9	8.3	38
369	Rapid formation of nanocrystalline HfO2 powders from amorphous hafnium hydroxide under ultrasonically assisted hydrothermal treatment. *Materials Chemistry and Physics*, **2007**, 104, 439-443	4.4	38
368	Formation mechanism of nanocrystalline ceria in aqueous solutions of cerium(III) nitrate and hexamethylenetetramine. *Inorganic Materials*, **2008**, 44, 51-57	0.9	37

367	Radioprotective effects of ultra-small citrate-stabilized cerium oxide nanoparticles in vitro and in vivo. *RSC Advances*, **2016**, 6, 106141-106149	3.7	36
366	Microwave-assisted hydrothermal synthesis and photocatalytic activity of ZnO. *Inorganic Materials*, **2007**, 43, 35-39	0.9	36
365	Synthesis of SrF2–YF3 nanopowders by co-precipitation from aqueous solutions. *Mendeleev Communications*, **2014**, 24, 360-362	1.9	34
364	A facile and convenient synthesis and photovoltaic characterization of novel thieno[2,3-b]indole dyes for dye-sensitized solar cells. *Synthetic Metals*, **2015**, 199, 152-158	3.6	33
363	Ni(Co)–Cd 0.1 Ti 0.1 Zr 0.1 Ce 0.7 O 2 mesoporous materials in partial oxidation and dry reforming of methane into synthesis gas. *Chemical Engineering Journal*, **2016**, 290, 193-200	14.7	33
362	Panthenol-stabilized cerium dioxide nanoparticles for cosmeceutic formulations against ROS-induced and UV-induced damage. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 130, 102-8	6.7	31
361	Micro-mesoporous anatase TiO2 nanorods with high specific surface area possessing enhanced adsorption ability and photocatalytic activity. *Microporous and Mesoporous Materials*, **2016**, 235, 185-194	5.3	30
360	Diethyl and methyl-tert-buthyl ethers as new solvents for aerogels preparation. *Materials Letters*, **2014**, 116, 116-119	3.3	30
359	Antioxidant Activity of SOD and Catalase Conjugated with Nanocrystalline Ceria. *Bioengineering*, **2017**, 4,	5.3	30
358	Hydrothermal and microwave-assisted synthesis of nanocrystalline ZnO photocatalysts. *Superlattices and Microstructures*, **2007**, 42, 421-424	2.8	30
357	Intracellular Delivery of Antioxidant CeO Nanoparticles via Polyelectrolyte Microcapsules. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2453-2462	5.5	29
356	Nanocrystalline ceria based materials—Perspectives for biomedical application. *Biophysics (Russian Federation)*, **2011**, 56, 987-1004	0.7	28
355	Facile fabrication of luminescent organic dots by thermolysis of citric acid in urea melt, and their use for cell staining and polyelectrolyte microcapsule labelling. *Beilstein Journal of Nanotechnology*, **2016**, 7, 1905-1917	3	28
354	Hexafluoroisopropyl alcohol as a new solvent for aerogels preparation. *Journal of Supercritical Fluids*, **2014**, 89, 28-32	4.2	27
353	Synthesis and thermal stability of nanocrystalline ceria sols stabilized by citric and polyacrylic acids. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 328-332	1.5	27
352	Phase equilibria in the tricalcium phosphate-mixed calcium sodium (potassium) phosphate systems. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 1219-1227	1.5	25
351	Nanocrystalline ceria: Synthesis, structure-sensitive properties, and promising applications. *Russian Journal of General Chemistry*, **2010**, 80, 604-617	0.7	25
350	High-yield microwave synthesis of layered Y2(OH)5NO3·xH2O materials. *CrystEngComm*, **2015**, 17, 2667-2674	3.9	24

349	Carbonated hydroxyapatite nanopowders for preparation of bioresorbable materials. *Materialwissenschaft Und Werkstofftechnik*, **2008**, 39, 822-829	0.9	24
348	New nanocomposites for SERS studies of living cells and mitochondria. *Journal of Materials Chemistry B*, **2016**, 4, 539-546	7.3	23
347	Aqueous Diaminsilver Hydroxide as a Precursor of Pure Silver Nanoparticles for SERS Probing of Living Erythrocytes. *Plasmonics*, **2014**, 9, 227-235	2.4	23
346	Oxygen nonstoichiometry of nanocrystalline ceria. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 325-327	1.5	23
345	Synthesis of nanosized ceria with controlled particle sizes and bandgap widths. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 1184-1188	1.5	23
344	Towards the surface hydroxyl species in CeO nanoparticles. *Nanoscale*, **2019**, 11, 18142-18149	7.7	23
343	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	9.5	22
342	New Sr1□□Rx(NH4)zF2+x□ (R□=□Yb, Er) solid solution as precursor for high efficiency up-conversion luminophor and optical ceramics on the base of strontium fluoride. *Materials Chemistry and Physics*, **2016**, 172, 150-157	4.4	22
341	Determination of cerium(III) and cerium(IV) in nanodisperse ceria by chemical methods. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 15-23	1.5	22
340	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
339	Crystal violet adsorption by oppositely twisted heat-treated halloysite and pecoraite nanoscrolls. *Applied Clay Science*, **2019**, 173, 1-11	5.2	21
338	pH control of the structure, composition, and catalytic activity of sulfated zirconia. *Journal of Solid State Chemistry*, **2013**, 198, 496-505	3.3	21
337	Advances and prospects of using nanocrystalline ceria in cancer theranostics. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 1556-1575	1.5	21
336	Mesostructure, fractal properties and thermal decomposition of hydrous zirconia and hafnia. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 2091-2106	1.5	21
335	Femtosecond Spectroscopy of Au Hot-Electron Injection into TiO□Evidence for Au/TiO□Plasmon Photocatalysis by Bactericidal Au Ions and Related Phenomena. *Nanomaterials*, **2019**, 9,	5.4	20
334	Hydrothermal synthesis of efficient TiO2-based photocatalysts. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 150-154	1.5	20
333	CeO Nanoparticle-Containing Polymers for Biomedical Applications: A Review. *Polymers*, **2021**, 13,	4.5	20
332	Photo-induced toxicity of tungsten oxide photochromic nanoparticles. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 178, 395-403	6.7	20

331	Structural and Thermal Properties of Montmorillonite/Ionic Liquid Composites. *Materials*, **2019**, 12,	3.5	19
330	The Melt of Sodium Nitrate as a Medium for the Synthesis of Fluorides. *Inorganics*, **2018**, 6, 38	2.9	19
329	Bioactive coatings based on nanodiamond-modified epoxy siloxane sols for stone materials. *Inorganic Materials*, **2012**, 48, 702-708	0.9	19
328	Unusual silver nanostructures prepared by aerosol spray pyrolysis. *CrystEngComm*, **2013**, 15, 7863	3.3	19
327	Growth of Porous Anodic Alumina on Low-Index Surfaces of Al Single Crystals. *Journal of Physical Chemistry C*, **2017**, 121, 27511-27520	3.8	19
326	One-stage synthesis of ceria colloid solutions for biomedical use. *Doklady Chemistry*, **2011**, 437, 103-106	0.8	19
325	Nanocrystalline ceria: a novel material for electrorheological fluids. *RSC Advances*, **2016**, 6, 88851-88858	3.7	18
324	Ceramics based on calcium pyrophosphate nanopowders. *Processing and Application of Ceramics*, **2013**, 7, 9-14	1.4	18
323	Biological, biomedical and pharmaceutical applications of cerium oxide **2020**, 279-358		18
322	How to Tune the Alumina Aerogels Structure by the Variation of a Supercritical Solvent. Evolution of the Structure During Heat Treatment. *Journal of Physical Chemistry C*, **2016**, 120, 3319-3325	3.8	17
321	Hydrothermal/microwave and hydrothermal/ultrasonic synthesis of nanocrystalline titania, zirconia, and hafnia. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 1648-1656	1.5	17
320	Ultrasonically Activated Hydrothermal Synthesis of Fine TiO2 and ZrO2 Powders. *Inorganic Materials*, **2004**, 40, 1058-1065	0.9	17
319	closo-Dodecaborate Intercalated Yttrium Hydroxide as a First Example of Boron Cluster Anion-Containing Layered Inorganic Substances. *Inorganic Chemistry*, **2017**, 56, 3421-3428	5.1	16
318	Combined SANS and SAXS study of the action of ultrasound on the structure of amorphous zirconia gels. *Ultrasonics Sonochemistry*, **2015**, 24, 230-7	8.9	16
317	Synthesis and luminescence studies of CaF2:Yb:Pr solid solutions powders for photonics. *Journal of Fluorine Chemistry*, **2018**, 211, 70-75	2.1	16
316	Functionalization of aerogels by the use of pre-constructed monomers: the case of trifluoroacetylated (3-aminopropyl) triethoxysilane. *RSC Advances*, **2014**, 4, 52423-52429	3.7	16
315	Synthesis and antioxidant activity of biocompatible maltodextrin-stabilized aqueous sols of nanocrystalline ceria. *Russian Journal of Inorganic Chemistry*, **2012**, 57, 1411-1418	1.5	16
314	Bioresorbable carbonated hydroxyapatite Ca10□Nax(PO4)6□(CO3)x(OH)2 powders for bioactive materials preparation. *Open Chemistry*, **2009**, 7, 168-174	1.6	16

313	Kinetics and mechanism of nickel ferrite formation under high temperature ultrasonic treatment. *Ultrasonics Sonochemistry*, **2007**, 14, 131-4	8.9	16
312	Highly reversible photochromism in composite WO3/nanocellulose films. *Cellulose*, **2019**, 26, 9095-9105	5.5	15
311	Methyltrimethoxysilane-based elastic aerogels: Effects of the supercritical medium on structure-sensitive properties. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 488-492	1.5	15
310	Photocatalytically active fluorinated nano-titania synthesized by microwave-assisted hydrothermal treatment. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 303-304, 36-43	4.7	15
309	Unexpected Effects of Activator Molecules' Polarity on the Electroreological Activity of Titanium Dioxide Nanopowders. *Journal of Physical Chemistry B*, **2017**, 121, 6732-6738	3.4	14
308	Infrared-to-visible upconversion luminescence in SrF2:Er powders upon excitation of the 4I13/2 level. *Optical Materials Express*, **2018**, 8, 1863	2.6	14
307	Direct monitoring of the interaction between ROS and cerium dioxide nanoparticles in living cells. *RSC Advances*, **2014**, 4, 51703-51710	3.7	14
306	Nucleation and growth of fluoride crystals by agglomeration of the nanoparticles. *Journal of Crystal Growth*, **2014**, 401, 63-66	1.6	14
305	Features of Octacalcium Phosphate Thermolysis. *Refractories and Industrial Ceramics*, **2014**, 54, 420-424	1.1	14
304	Antioxidant activity of nanocrystalline ceria to anthocyanins. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 1522-1527	1.5	14
303	Flow-mode water treatment under simultaneous hydrodynamic cavitation and plasma. *Ultrasonics Sonochemistry*, **2021**, 70, 105323	8.9	14
302	Highly Crystalline WO3 Nanoparticles Are Nontoxic to Stem Cells and Cancer Cells. *Journal of Nanomaterials*, **2019**, 2019, 1-13	3.2	13
301	Preparation and properties of methylcellulose/nanocellulose/F-2 polymer-inorganic composite films for two-micron radiation visualizers. *Journal of Fluorine Chemistry*, **2017**, 202, 9-18	2.1	13
300	Facile synthesis of fluorinated resorcinol-formaldehyde aerogels. *Journal of Fluorine Chemistry*, **2017**, 193, 1-7	2.1	13
299	2D "soap"-assembly of nanoparticles via colloid-induced condensation of mixed Langmuir monolayers of fatty surfactants. *Langmuir*, **2012**, 28, 125-33	4	13
298	Thermal stability of nanocrystalline CeO2 prepared through freeze drying. *Inorganic Materials*, **2010**, 46, 43-46	0.9	13
297	Synthesis of ultrathin ceria nanoplates. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 1528-1530	1.5	13
296	Hydrothermal growth of ceria nanoparticles. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 1857-1861	1.5	13

295	The design and synthesis of thiophene-based ruthenium(II) complexes as promising sensitizers for dye-sensitized solar cells. *Dyes and Pigments*, **2017**, 140, 169-178	4.6	12
294	Size Effects in Nanocrystalline Thoria. *Journal of Physical Chemistry C*, **2019**, 123, 23167-23176	3.8	12
293	Selective oxidation of methane to synthesis gas: Cobalt- and nickel-based catalysts. *Doklady Physical Chemistry*, **2015**, 461, 73-79	0.8	12
292	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
291	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
290	Cerous phosphate gels: Synthesis, thermal decomposition and hydrothermal crystallization paths. *Journal of Non-Crystalline Solids*, **2016**, 447, 183-189	3.9	12
289	Platinum acetate blue: synthesis and characterization. *Inorganic Chemistry*, **2014**, 53, 8397-406	5.1	12
288	Synthesis of gadolinium hydroxo nitrate under microwave-hydrothermal treatment conditions. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 1383-1391	1.5	12
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286	Hydrothermal microwave synthesis of nanocrystalline cerium dioxide. *Doklady Chemistry*, **2009**, 426, 131-133	0.8	12
285	Specifics of high-temperature coarsening of ceria nanoparticles. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 1689-1696	1.5	12
284	Fractal structure of ceria nanopowders. *Inorganic Materials*, **2008**, 44, 272-277	0.9	12
283	Mesostructure of xerogels of hydrated zirconium dioxide. *JETP Letters*, **2007**, 85, 122-126	1.2	12
282	Microstructural Evolution of Fe2O3 and ZnFe2O4 during Sonochemical Synthesis of Zinc Ferrite. *Inorganic Materials*, **2004**, 40, 1091-1094	0.9	12
281	Microwave Synthesis of Lithium, Copper, Cobalt, and Nickel Ferrites. *Doklady Chemistry*, **2002**, 387, 332-334	0.8	12
280	Deactivation of singlet oxygen by cerium oxide nanoparticles. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 382, 111925	4.7	11
279	Luminescent alumina-based aerogels modified with tris(8-hydroxyquinolinato)aluminum. *Journal of Sol-Gel Science and Technology*, **2018**, 86, 400-409	2.3	11
278	Cyclometalated ruthenium complex as a promising sensitizer in dye-sensitized solar cells. *Russian Journal of Electrochemistry*, **2014**, 50, 503-509	1.2	11

277	Synthesis of ultrafine fluorite Sr1 □x Nd x F2 + x powders. *Inorganic Materials*, **2012**, 48, 531-538	0.9	11
276	Cooperative formation of crystals by aggregation and intergrowth of nanoparticles. *Doklady Physics*, **2011**, 56, 205-207	0.8	11
275	Microwave-hydrothermal synthesis of stable nanocrystalline ceria sols for biomedical uses. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 1-5	1.5	11
274	Formation of nanocrystalline ceria from cerium(III) nitrate solutions in aqueous alcohol. *Doklady Chemistry*, **2006**, 411, 223-225	0.8	11
273	Synthesis of Nanodisperse Co3O4 Powders under Hydrothermal Conditions with Concurrent Ultrasonic Treatment. *Doklady Chemistry*, **2003**, 389, 62-64	0.8	11
272	PVP-stabilized tungsten oxide nanoparticles: pH sensitive anti-cancer platform with high cytotoxicity. *Materials Science and Engineering C*, **2020**, 108, 110494	8.3	11
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270	Synthesis of nanocrystalline birnessite and cryptomelane by microwave hydrothermal treatment. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 1299-1303	1.5	10
269	Layered rare-earth hydroxides: a new family of anion-exchangeable layered inorganic materials. *Russian Chemical Reviews*, **2020**, 89, 629-666	6.8	10
268	Synthesis of cerium orthophosphates with monazite and rhabdophane structure from phosphoric acid solutions in the presence of hydrogen peroxide. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1219-1224	1.5	10
267	Methyl tert-butyl ether as a new solvent for the preparation of SiO2 TiO2 binary aerogels. *Inorganic Materials*, **2016**, 52, 163-169	0.9	10
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265	Biological activity of nanocrystalline cerium dioxide. *Doklady Chemistry*, **2008**, 420, 141-143	0.8	10
264	Anodic titania photonic crystals with high reflectance within photonic band gap via pore shape engineering. *Scripta Materialia*, **2020**, 178, 13-17	5.6	10
263	Phase diagram of the NaF CaF2 system and the electrical conductivity of a CaF2-based solid solution. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1472-1478	1.5	10
262	Eu-Doped layered yttrium hydroxides sensitized by a series of benzenedicarboxylate and sulphobenzoate anions. *Dalton Transactions*, **2019**, 48, 6111-6122	4.3	10
261	New insights into polymer mediated formation of anatase mesocrystals. *CrystEngComm*, **2017**, 19, 3281-3287	3.3	9
260	Ceria-Containing Hybrid Multilayered Microcapsules for Enhanced Cellular Internalisation with High Radioprotection Efficiency. *Molecules*, **2020**, 25,	4.8	9

259	Cerium dioxide nanoparticles increase immunogenicity of the influenza vaccine. *Antiviral Research*, **2016**, 127, 1-9	10.8	9
258	Synthesis of a peroxo derivative of layered yttrium hydroxide. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 1027-1033	1.5	9
257	Facile synthesis of vanadia aerogels with controlled V3+/V4+ ratio. *Materials Letters*, **2015**, 156, 109-112	3.3	9
256	Controlling micro- and nanostructure and activity of the NaAlO2 biodiesel transesterification catalyst by its dissolution in a mesoporous Al2O3-matrix. *Journal of Sol-Gel Science and Technology*, **2015**, 76, 90-97	2.3	9
255	Hydrophobicity/hydrophilicity control for SiO2-based aerogels: The role of a supercritical solvent. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 1169-1172	1.5	9
254	Inactivation of the nitroxyl radical by ceria nanoparticles. *Doklady Chemistry*, **2010**, 430, 43-46	0.8	9
253	Photocatalytic activity of nanodispersed zinc oxide synthesized by hydrothermal microwave route. *Doklady Chemistry*, **2010**, 434, 223-225	0.8	9
252	Ultrasound-induced changes in mesostructure of amorphous iron (III) hydroxide xerogels: A small-angle neutron scattering study. *Physical Review B*, **2010**, 81,	3.3	9
251	Evolution of composition and fractal structure of hydrous zirconia xerogels during thermal annealing. *Russian Journal of Inorganic Chemistry*, **2010**, 55, 155-161	1.5	9
250	Layer-by-layer capsules as smart delivery systems of CeO2 nanoparticle-based theranostic agents. *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 282-289	1.8	9
249	High electrorheological effect in Bi1.8Fe1.2SbO7 suspensions. *Powder Technology*, **2020**, 360, 96-103	5.2	9
248	Exfoliation of layered yttrium hydroxide by rapid expansion of supercritical suspensions. *Journal of Supercritical Fluids*, **2019**, 150, 40-48	4.2	8
247	Supramolecular Organogels Based on -Benzyl, -Acylbispidinols. *Nanomaterials*, **2019**, 9,	5.4	8
246	Plasmon-enhanced light absorption at organic-coated interfaces: collectivity matters. *Journal of Materials Chemistry C*, **2018**, 6, 1413-1420	7.1	8
245	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
244	Synthesis of Bi2Fe3Sb2O Pyrochlore Nanoparticles with Visible-Light Photocatalytic Activity. *European Journal of Inorganic Chemistry*, **2016**, 2016, 2193-2199	2.3	8
243	Synthesis of Magnesium- and Silicon-modified Hydroxyapatites by Microwave-Assisted Method. *Scientific Reports*, **2019**, 9, 14836	4.9	8
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241	Nanocomposites based on opal matrices and iron subgroup metal nanoparticles. *Russian Journal of Inorganic Chemistry*, **2012**, 57, 1419-1427	1.5	8
240	Oxidation of CO on nanocrystalline ceria promoted by transition metal oxides. *Doklady Chemistry*, **2009**, 427, 186-189	0.8	8
239	Chemical transformations of basic yttrium nitrates during ultrasonic-hydrothermal treatment. *Russian Journal of Inorganic Chemistry*, **2006**, 51, 1689-1695	1.5	8
238	Cerium dioxide nanoparticles as third-generation enzymes (nanozymes). *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 760-781	1.8	8
237	Hydrophobization of porous ceramic materials using supercritical carbon dioxide. *Inorganic Materials*, **2016**, 52, 386-392	0.9	8
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235	Composite up-conversion luminescent films containing a nanocellulose and SrF2:Ho particles. *Cellulose*, **2019**, 26, 2403-2423	5.5	8
234	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. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2021**, 47, 127-143	1.6	8
233	Experimental Study of the Effects of Nanodispersed Ceria on Wound Repair. *Bulletin of Experimental Biology and Medicine*, **2017**, 162, 395-399	0.8	7
232	Effect of the Support Nature on Stability of Nickel and Nickel–Cobalt Catalysts for Partial Oxidation and Dry Reforming of Methane to Synthesis Gas. *Petroleum Chemistry*, **2019**, 59, 385-393	1.1	7
231	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	2.3	7
230	Hexafluoroacetone: A new solvent for manufacturing SiO2-based aerogels. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 541-545	1.5	7
229	Microbead silica decorated with polyhedral silver nanoparticles as a versatile component of sacrificial gel films for SERS applications. *RSC Advances*, **2015**, 5, 90335-90342	3.7	7
228	Effect of the nature of promoters, the alkaline treatment of ZSM-5 zeolites, and the method of their synthesis on the conversion of C3–C4 alkanes. *Theoretical Foundations of Chemical Engineering* , **2015**, 49, 502-511	0.9	7
227	Nanoceria-curcumin conjugate: Synthesis and selective cytotoxicity against cancer cells under oxidative stress conditions. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 209, 111921	6.7	7
226	Physicochemical Modeling and Modification of the Composition of Magmatic and Metamorphic Rocks: Basic Picrobasalts. *Inorganic Materials*, **2018**, 54, 374-378	0.9	7
225	SiO2 aerogels modified by perfluoro acid amides: a precisely controlled hydrophobicity. *RSC Advances*, **2016**, 6, 80766-80772	3.7	7
224	Synthesis Gas Production by Partial Oxidation of Methane and Dry Reforming of Methane in the Presence of Novel Ni–Co/MFI Catalysts. *Petroleum Chemistry*, **2018**, 58, 203-213	1.1	7

223	Structural Analysis of Aluminum Oxyhydroxide Aerogel by Small Angle X-Ray Scattering. *Journal of Surface Investigation*, **2018**, 12, 296-305	0.5	7
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