

# Victor V Gusarov

## 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.

174  
papers

2,006  
citations

21  
h-index

35  
g-index

176  
ext. papers

2,274  
ext. citations

1.3  
avg, IF

4.77  
L-index

#	Paper	IF	Citations
174	Crystal structure and optical properties of the BiFeWO <sub>4</sub> pyrochlore phase synthesized via a hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 889, 161598	5.7	1
173	Heat-stimulated crystallization and phase transformation of titania nanoparticles. <i>Journal of Crystal Growth</i> , <b>2021</b> , 576, 126371	1.6	1
172	Subsolidus phase equilibria in the GdFeO <sub>3</sub> -SrFeO <sub>3</sub> - system in air. <i>Ceramics International</i> , <b>2020</b> , 46, 24526-24532	5.2	2
171	Hydrothermal synthesis, phase formation and crystal chemistry of the pyrochlore/Bi <sub>2</sub> WO <sub>6</sub> and pyrochlore/Bi <sub>2</sub> O <sub>3</sub> composites in the Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> /WO <sub>3</sub> system. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 282, 121064	3.3	3
170	Experimental study of oxidic-metallic melt oxidation. <i>Nuclear Engineering and Design</i> , <b>2020</b> , 363, 110618	1.8	2
169	Cation Redistribution along the Spiral of Ni-Doped Phyllosilicate Nanoscrolls: Energy Modelling and STEM/EDS Study. <i>ChemPhysChem</i> , <b>2019</b> , 20, 719-726	3.2	8
168	Formation of nanocrystalline BiFeO <sub>3</sub> during heat treatment of hydroxides co-precipitated in an impinging-jets microreactor. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2019</b> , 143, 107598	3.7	25
167	Very wide-bandgap nanostructured metal oxide materials for perovskite solar cells. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2019</b> , 10, 70-75	1.8	4
166	Formation of rhabdophane-structured lanthanum orthophosphate nanoparticles in an impinging-jets microreactor and rheological properties of sols based on them. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2019</b> , 10, 206-214	1.8	11
165	The minimum size of oxide nanocrystals: phenomenological thermodynamic vs crystal-chemical approaches. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2019</b> , 10, 428-437	1.8	17
164	Experimental study of transient phenomena in the three-liquid oxidic-metallic corium pool. <i>Nuclear Engineering and Design</i> , <b>2018</b> , 332, 31-37	1.8	16
163	The thermal behavior of mixed-layer Aurivillius phase Bi <sub>13</sub> Fe <sub>5</sub> Ti <sub>6</sub> O <sub>39</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 131, 473-478	4.1	8
162	Effect of spatial constraints on the phase evolution of YFeO <sub>3</sub> -based nanopowders under heat treatment of glycine-nitrate combustion products. <i>Ceramics International</i> , <b>2018</b> , 44, 20906-20912	5.1	19
161	Charge pumping in nanotube filled with electrolyte. <i>Chinese Journal of Physics</i> , <b>2018</b> , 56, 2531-2537	3.5	1
160	Experimental studies of impact on a critical heat flux the parameters of nanoparticle layer formed at nanofluid boiling. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2018</b> , 9, 279-289	1.8	2
159	Formation mechanism of core-shell nanocrystals obtained via dehydration of coprecipitated hydroxides at hydrothermal conditions. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2018</b> , 568-572	1.8	5
158	Effect of temperature gradient on chemical element partitioning in corium pool during in-vessel retention. <i>Nuclear Engineering and Design</i> , <b>2018</b> , 327, 82-91	1.8	2

157	Comparative Energy Modeling of Multiwalled Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> and Ni <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> Nanoscroll Growth. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 12495-12502	3.8	17
156	Redistribution of Mg and Ni cations in crystal lattice of conical nanotube with chrysotile structure. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , <b>2017</b> , 620-627	1.8	6
155	Special features of formation of nanocrystalline BiFeO <sub>3</sub> via the glycine-nitrate combustion method. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 2256-2262	0.7	21
154	Magnetic properties of Aurivillius phases Bim+1FemBTi <sub>3</sub> O <sub>3m+3</sub> with m = 5.5, 7, 8. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2016</b> , 214, 51-56	3.1	11
153	Prenucleation formations in control over synthesis of CoFe <sub>2</sub> O <sub>4</sub> nanocrystalline powders. <i>Russian Journal of Applied Chemistry</i> , <b>2016</b> , 89, 851-856	0.8	12
152	Magnetic properties of synthetic Ni <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> nanotubes. <i>Europhysics Letters</i> , <b>2016</b> , 113, 47006	1.6	10
151	Morphology vs. chemical composition of single Ni-doped hydrosilicate nanoscroll. <i>Materials Letters</i> , <b>2016</b> , 171, 68-71	3.3	9
150	Peculiarities of structural transformations in zirconia nanocrystals. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	6
149	Formation of variable-composition iron(III) hydrosilicates with the Bryotile structure. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 2581-2588	0.7	4
148	Effect of the sequence of chemical transformations on the spatial segregation of components and formation of periclase-spinel nanopowders in the MgOFe <sub>2</sub> O <sub>3</sub> H <sub>2</sub> O System. <i>Russian Journal of Applied Chemistry</i> , <b>2016</b> , 89, 1932-1938	0.8	3
147	Energy model of radial growth of a nanotubular crystal. <i>Technical Physics Letters</i> , <b>2016</b> , 42, 55-58	0.7	7
146	Oxidation effects during corium melt in-vessel retention. <i>Nuclear Engineering and Design</i> , <b>2016</b> , 305, 389-399	1.8	8
145	Formation mechanism of nanocrystalline yttrium orthoferrite under heat treatment of the coprecipitated hydroxides. <i>Russian Journal of General Chemistry</i> , <b>2015</b> , 85, 1370-1375	0.7	11
144	Formation of conical (Mg,Ni) <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> nanoscrolls. <i>Doklady Physical Chemistry</i> , <b>2015</b> , 460, 42-44	0.8	8
143	Synthesis and properties of materials based on layered calcium and bismuth cobaltites. <i>Russian Journal of Applied Chemistry</i> , <b>2015</b> , 88, 1241-1247	0.8	12
142	New sacrificial material for ex-vessel core catcher. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 467, 778-784	3.3	6
141	Features of nanosized YFeO <sub>3</sub> formation under heat treatment of glycine-nitrate combustion products. <i>Russian Journal of Inorganic Chemistry</i> , <b>2015</b> , 60, 1193-1198	1.5	10
140	Energy model of bilayer nanoplate scrolling: Formation of chrysotile nanoscroll. <i>Russian Journal of General Chemistry</i> , <b>2015</b> , 85, 2238-2241	0.7	5

- 139 Control over morphology of magnesium-aluminum hydrosilicate nanoscrolls. *Russian Journal of Applied Chemistry*, **2015**, 88, 1928-1935 0.8 7
- 138 Formation of nanocrystals in the ZrO<sub>2</sub>-H<sub>2</sub>O system. *Russian Journal of General Chemistry*, **2015**, 85, 2673-2676 2
- 137 Crystallization behavior and morphological features of YFeO<sub>3</sub> nanocrystallites obtained by glycine-nitrate combustion. *Nanosystems: Physics, Chemistry, Mathematics*, **2015**, 866-874 1.8 5
- 136 Structural features of carbon nanoparticles produced by chlorination of SiC nanopowder. *Doklady Physical Chemistry*, **2014**, 458, 153-157 0.8 3
- 135 Glycine-nitrate combustion synthesis of nonstoichiometric Mg-Fe spinel nanopowders. *Inorganic Materials*, **2014**, 50, 1247-1251 0.9 13
- 134 Quality improvements of thermodynamic data applied to corium interactions for severe accident modelling in SARNET2. *Annals of Nuclear Energy*, **2014**, 74, 110-124 1.7 7
- 133 Core-shell nanoparticles forming in the ZrO<sub>2</sub>-Gd<sub>2</sub>O<sub>3</sub>-H<sub>2</sub>O system under hydrothermal conditions. *Doklady Physical Chemistry*, **2014**, 456, 71-73 0.8 5
- 132 Structural features of ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub> and ZrO<sub>2</sub>-Gd<sub>2</sub>O<sub>3</sub> nanoparticles formed under hydrothermal conditions. *Russian Journal of General Chemistry*, **2014**, 84, 804-809 0.7 6
- 131 Oxidation effect on steel corrosion and thermal loads during corium melt in-vessel retention. *Nuclear Engineering and Design*, **2014**, 278, 310-316 1.8 5
- 130 Two-scale model of hydrothermal synthesis of nanotubes. *Journal of Physics: Conference Series*, **2014**, 541, 012013 0.3
- 129 Energy of formation of chrysotile nanotubes. *Russian Journal of General Chemistry*, **2014**, 84, 2359-2363 0.7 11
- 128 The investigation of the structure control possibility of nanocrystalline yttrium orthoferrite in its synthesis from amorphous powders. *Russian Journal of Applied Chemistry*, **2014**, 87, 1417-1421 0.8 11
- 127 Processing stages of Gd<sub>2</sub>Sr(Al<sub>1-x</sub>Fe<sub>x</sub>)<sub>2</sub>O<sub>7</sub> series. *Rare Metals*, **2014**, 33, 47-53 5.5 3
- 126 Synthesis of solid solutions of double-layered Ruddlesden-Popper phases in the Gd<sub>2</sub>O<sub>3</sub>-SrO-Fe<sub>2</sub>O<sub>3</sub>-Al<sub>2</sub>O<sub>3</sub> system. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 848-854 1.5 4
- 125 Influence of component ratio in the compound (Mg,Fe)<sub>3</sub>Si<sub>2</sub>O<sub>5</sub>(OH)<sub>4</sub> on the formation of nanotubular and platelike particles. *Russian Journal of Applied Chemistry*, **2013**, 86, 1633-1637 0.8 8
- 124 Effect of surface melting on the formation and growth of nanocrystals in the Bi<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub> system. *Russian Journal of General Chemistry*, **2013**, 83, 2251-2253 0.7 19
- 123 Soliton-induced flow in carbon nanotubes. *Europhysics Letters*, **2013**, 101, 66001 1.6 2
- 122 Structural changes in the homologous series of the Aurivillius phases Bi<sub>n+1</sub>Fe<sub>n</sub>Ti<sub>3</sub>O<sub>3n+3</sub>. *Journal of Alloys and Compounds*, **2012**, 528, 103-108 5.7 42

121	Structural features and stability of the Aurivillius phases $\text{Bi}_n + 1\text{Fe}_n \text{BiTi}_3\text{O}_{3n} + 3$ . <i>Doklady Chemistry</i> , <b>2012</b> , 447, 293-295	0.8	4
120	Analysis of physicochemical properties of nanoparticles obtained by pulsed electric discharges in water. <i>Technical Physics</i> , <b>2012</b> , 57, 1641-1645	0.5	5
119	A Model of Irregular Impurity at the Surface of Nanoparticle and Catalytic Activity. <i>Communications in Theoretical Physics</i> , <b>2012</b> , 58, 55-58	2.4	1
118	Peculiarities of layered perovskite-related $\text{GdSrFeO}_4$ compound solid state synthesis. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1523-1528	5.7	5
117	Electrical properties of perovskite-like compounds in the $\text{Bi}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-TiO}_2$ system. <i>Inorganic Materials</i> , <b>2011</b> , 47, 420-425	0.9	19
116	Effect of the structure of precursors on the formation of nanotubular magnesium hydrosilicate. <i>Inorganic Materials</i> , <b>2011</b> , 47, 1111-1115	0.9	9
115	Mechanism of the nanocrystals formation of the spinel structure in the $\text{MgO-Al}_2\text{O}_3\text{-H}_2\text{O}$ system under the hydrothermal conditions. <i>Russian Journal of General Chemistry</i> , <b>2011</b> , 81, 2222-2230	0.7	10
114	Effect of laser processing on catalytic properties of shungite. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 190-195	0.8	
113	Phase states in the $\text{Bi}_4\text{Ti}_3\text{O}_{12}\text{-BiFeO}_3$ section in the $\text{Bi}_2\text{O}_3\text{-TiO}_2\text{-Fe}_2\text{O}_3$ system. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 616-620	1.5	27
112	Phase relationships in the $\text{SiO}_2\text{-TiO}_2$ system. <i>Russian Journal of Inorganic Chemistry</i> , <b>2011</b> , 56, 1464-1471	1.5	13
111	Effect of the phase composition of the starting mixture on the formation of the layered perovskite-like compound $\text{Bi}_7\text{Fe}_3\text{Ti}_3\text{O}_{21}$ . <i>Russian Journal of Inorganic Chemistry</i> , <b>2010</b> , 55, 1541-1545	1.5	6
110	The synthesis and thermochemical study of $(\text{Mg,Fe})_3\text{Si}_2\text{O}_5(\text{OH})_4$ nanotubes. <i>Russian Journal of Physical Chemistry A</i> , <b>2010</b> , 84, 44-47	0.7	5
109	Waveguide modes and adhesion conditions for flow in a nanochannel. <i>Doklady Physics</i> , <b>2010</b> , 55, 271-273	0.8	1
108	Soliton in a nanotube wall and stokes flow in the nanotube. <i>Technical Physics Letters</i> , <b>2010</b> , 36, 852-855	0.7	4
107	Features of the phase formation in the nanocomposites. <i>Russian Journal of General Chemistry</i> , <b>2010</b> , 80, 385-390	0.7	4
106	Polymer-inorganic nanocomposites based on aromatic polyamidoimides effective in the processes of liquids separation. <i>Russian Journal of General Chemistry</i> , <b>2010</b> , 80, 1136-1142	0.7	20
105	Synthesis, mutual solubility, and thermal behavior of nanocrystals in the $\text{LaPO}_4\text{-YPO}_4\text{-H}_2\text{O}$ system. <i>Glass Physics and Chemistry</i> , <b>2010</b> , 36, 351-357	0.7	8
104	Symmetrical features of the structure of $\text{C}_{24}$ and $\text{C}_{48}$ fullerenes. <i>Glass Physics and Chemistry</i> , <b>2010</b> , 36, 358-368	0.7	

103	Thermal behavior of $\text{LaPO}_4 \cdot n\text{H}_2\text{O}$ and $\text{NdPO}_4 \cdot n\text{H}_2\text{O}$ nanopowders. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 809-811	4.1	10
102	Phase equilibria in the $\text{FeO}_{1+x}\text{O}_2\text{ZrO}_2$ system in the $\text{FeO}_{1+x}$ -enriched domain. <i>Journal of Nuclear Materials</i> , <b>2010</b> , 400, 119-126	3.3	12
101	Influence of corium oxidation on fission product release from molten pool. <i>Nuclear Engineering and Design</i> , <b>2010</b> , 240, 1229-1241	1.8	8
100	Almost quasistationary approximation for the problem of solidification front stability. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2009</b> , 60, 178-188	1.6	1
99	Nucleation in media in which nanoparticles of another phase are distributed. <i>Doklady Physical Chemistry</i> , <b>2009</b> , 424, 43-45	0.8	7
98	Electrooptic properties of aqueous suspensions of nanotubes based on magnesium hydrosilicate. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2009</b> , 106, 50-55	0.7	3
97	VVER vessel steel corrosion at interaction with molten corium in oxidizing atmosphere. <i>Nuclear Engineering and Design</i> , <b>2009</b> , 239, 1103-1112	1.8	13
96	Eutectic crystallization in the $\text{FeO}_{1.5}\text{O}_2 + x\text{ZrO}_2$ system. <i>Journal of Nuclear Materials</i> , <b>2009</b> , 389, 52-56	3.3	12
95	Critical heat flux in a boiling aqueous dispersion of nanoparticles. <i>Technical Physics Letters</i> , <b>2009</b> , 35, 440-442	0.7	9
94	Symmetrical features of the structure of fullerene $\text{C}_{20}$ . <i>Russian Journal of General Chemistry</i> , <b>2009</b> , 79, 274-277	0.7	
93	Thermal stability and catalytic properties of the composite amorphous $\text{Al}_2\text{O}_3$ -nanocrystals $\text{ZrO}_2$ . <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 217-221	0.8	6
92	Interaction of potassium chloride aqueous solution $\text{Mg}_3\text{Si}_2\text{O}_5(\text{OH})_4$ with the nanotubes based on magnesium hydrosilicate. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 352-355	0.8	5
91	Effect of heat treatment on structural-chemical transformations in magnesium hydrosilicate $[\text{Mg}_3\text{Si}_2\text{O}_5(\text{OH})_4]$ nanotubes. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 2079-2086	0.8	10
90	Influence of microwave and ultrasonic treatment on the formation of $\text{CoFe}_2\text{O}_4$ under hydrothermal conditions. <i>Glass Physics and Chemistry</i> , <b>2009</b> , 35, 205-209	0.7	22
89	Structural stabilization of $\text{Fe}^{4+}$ ions in perovskite-like phases based on the $\text{BiFeO}_3\text{-SrFeO}_y$ system. <i>Glass Physics and Chemistry</i> , <b>2009</b> , 35, 313-319	0.7	9
88	Investigation of the mechanism of formation of $\text{BaTi}_4\text{O}_9$ from initial mixtures of different dispersion. <i>Glass Physics and Chemistry</i> , <b>2009</b> , 35, 327-331	0.7	1
87	Preparation and thermal transformations of nanocrystals in the $\text{LaPO}_4\text{-LuPO}_4\text{-H}_2\text{O}$ system. <i>Glass Physics and Chemistry</i> , <b>2009</b> , 35, 431-435	0.7	11
86	$\text{Y}_2\text{O}_3\text{-Ga}_2\text{O}_3$ phase diagram. <i>Russian Journal of Inorganic Chemistry</i> , <b>2009</b> , 54, 624-629	1.5	11

85	Formation and evolution of nanoscroll ensembles based on layered-structure compounds. <i>Doklady Physics</i> , <b>2009</b> , 54, 491-493	0.8	9
84	Aggregation of Synthetic Chrysotile Nanotubes in the Bulk and in Solution Probed by Nitrogen Adsorption and Viscosity Measurements. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 12943-12950	3.8	14
83	Corium phase equilibria based on MASCA, METCOR and CORPHAD results. <i>Nuclear Engineering and Design</i> , <b>2008</b> , 238, 2761-2771	1.8	32
82	Magnetic properties of complex oxides Gd <sub>2</sub> SrM <sub>2</sub> O <sub>7</sub> (M = Fe, Al). <i>Russian Journal of General Chemistry</i> , <b>2008</b> , 78, 2000-2001	0.7	9
81	Structure of aqueous dispersions of Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> nanotubes. <i>Russian Journal of Applied Chemistry</i> , <b>2008</b> , 81, 207-211	0.8	1
80	Interaction of Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> nanotubes with potassium hydroxide. <i>Russian Journal of Applied Chemistry</i> , <b>2008</b> , 81, 375-379	0.8	3
79	Thermochemical analysis of desorption and adsorption of water on the surface of zirconium dioxide nanoparticles. <i>Russian Journal of Applied Chemistry</i> , <b>2008</b> , 81, 609-613	0.8	2
78	Physicochemical prerequisites of the synthesis of new ionic conductors based on complex oxides with a ramsdellite-type structure. <i>Glass Physics and Chemistry</i> , <b>2008</b> , 34, 449-460	0.7	2
77	Influence of the preparation conditions on the size and morphology of nanocrystalline lanthanum orthoferrite. <i>Glass Physics and Chemistry</i> , <b>2008</b> , 34, 756-761	0.7	18
76	Effects of nanofiller morphology and aspect ratio on the rheo-mechanical properties of polyimide nanocomposites. <i>EXPRESS Polymer Letters</i> , <b>2008</b> , 2, 485-493	3.4	35
75	New polyimide nanocomposites based on silicate type nanotubes: Dispersion, processing and properties. <i>Polymer</i> , <b>2007</b> , 48, 1306-1315	3.9	56
74	Phase diagram of the UO <sub>2</sub> BeO <sub>1+x</sub> system. <i>Journal of Nuclear Materials</i> , <b>2007</b> , 362, 46-52	3.3	21
73	Influence of iron on the kinetics of formation of chrysotile nanotubes of composition (Mg, Fe) <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> under hydrothermal conditions. <i>Geochemistry International</i> , <b>2007</b> , 45, 825-831	0.8	7
72	The interaction of nuclear reactor core melt with oxide sacrificial material of localization device for a nuclear power plant with water-moderated water-cooled power reactor. <i>High Temperature</i> , <b>2007</b> , 45, 22-31	0.8	6
71	Subsolidus phase relations in the system Tm <sub>2</sub> O <sub>3</sub> -Rh <sub>2</sub> O <sub>3</sub> . <i>Inorganic Materials</i> , <b>2007</b> , 43, 1326-1329	0.9	1
70	Hydrothermal synthesis of nanotubular Mg-Fe hydrosilicate. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 338-344	1.5	14
69	Hydrothermal synthesis of nanosized and amorphous alumina in the ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -H <sub>2</sub> O system. <i>Russian Journal of Inorganic Chemistry</i> , <b>2007</b> , 52, 1194-1200	1.5	4
68	Hybrid nanostructures based on layered silicates and nitrogen-containing organic compounds. <i>Russian Journal of General Chemistry</i> , <b>2007</b> , 77, 221-225	0.7	2

67	Mechanism of formation of the complex oxide Gd <sub>2</sub> SrFe <sub>2</sub> O <sub>7</sub> . <i>Russian Journal of General Chemistry</i> , <b>2007</b> , 77, 973-978	0.7	14
66	Mechanism and kinetics of formation of La <sub>2</sub> SrFe <sub>2</sub> O <sub>7</sub> and Nb <sub>2</sub> SrFe <sub>2</sub> O <sub>7</sub> . <i>Russian Journal of General Chemistry</i> , <b>2007</b> , 77, 979-981	0.7	8
65	Modification of films of heat-resistant polyimides by adding hydrosilicate and carbon nanoparticles of various geometries. <i>Russian Journal of General Chemistry</i> , <b>2007</b> , 77, 1158-1163	0.7	16
64	Hydrothermal synthesis of nanotubular Co-Mg hydrosilicates with the chrysotile structure. <i>Russian Journal of General Chemistry</i> , <b>2007</b> , 77, 1669-1676	0.7	11
63	Nanocomposites based on polyimide thermoplastics and magnesium silicate nanoparticles with montmorillonite structure. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 106-109	0.8	4
62	Interaction of a material based on aluminum and iron oxides with a metal melt. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 528-535	0.8	2
61	Nanocomposite based on polyamidoimide with hydrosilicate nanoparticles of varied morphology. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 2142-2148	0.8	10
60	Investigation into the formation of phases with a Ba <sub>2</sub> Ti <sub>9</sub> O <sub>20</sub> -type structure in the BaO-TiO <sub>2</sub> and BaO-SrO-TiO <sub>2</sub> systems. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 72-79	0.7	1
59	Crystallization and thermal transformations in nanocrystals of the YPO <sub>4</sub> -LuPO <sub>4</sub> -H <sub>2</sub> O system. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 169-173	0.7	6
58	Layered silicates with a montmorillonite structure: Preparation and prospects for the use in polymer nanocomposites. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 237-241	0.7	13
57	Calorimetric investigation of nanotubular hydrosilicates in the Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> -Ni <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> system. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 303-305	0.7	4
56	Simulation of the formation of nanorolls. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 315-319	0.7	10
55	Physicochemical simulation of the combustion of materials with the total endothermal effect. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 492-497	0.7	3
54	Phase equilibria in the Ho <sub>2</sub> O <sub>3</sub> -SrAl <sub>2</sub> O <sub>4</sub> system. <i>Glass Physics and Chemistry</i> , <b>2007</b> , 33, 498-501	0.7	3
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47	Corrosion of vessel steel during its interaction with molten corium: Part 2: Model development. <i>Nuclear Engineering and Design</i> , <b>2006</b> , 236, 1362-1370	1.8	11
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44	The Lu <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> system: Relationships for equilibrium-phase and supercooled states. <i>Journal of Crystal Growth</i> , <b>2006</b> , 293, 74-77	1.6	28
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42	Distribution of components between immiscible melts of a system under nonisothermal conditions. <i>Glass Physics and Chemistry</i> , <b>2006</b> , 32, 638-642	0.7	5
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40	Phase and chemical transformations in the SiO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> (Fe <sub>3</sub> O <sub>4</sub> ) system at various oxygen partial pressures. <i>Russian Journal of Inorganic Chemistry</i> , <b>2006</b> , 51, 118-125	1.5	8
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