

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 ₄ pyrochlore phase synthesized via a hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161598	5.7	1
173	Heat-stimulated crystallization and phase transformation of titania nanoparticles. <i>Journal of Crystal Growth</i> , 2021 , 576, 126371	1.6	1
172	Subsolidus phase equilibria in the GdFeO ₃ -SrFeO ₃ - system in air. <i>Ceramics International</i> , 2020 , 46, 24526-24532	5.2	2
171	Hydrothermal synthesis, phase formation and crystal chemistry of the pyrochlore/Bi ₂ WO ₆ and pyrochlore/Bi ₂ O ₃ composites in the Bi ₂ O ₃ /Bi ₂ O ₃ /WO ₃ system. <i>Journal of Solid State Chemistry</i> , 2020 , 282, 121064	3.3	3
170	Experimental study of oxidic-metallic melt oxidation. <i>Nuclear Engineering and Design</i> , 2020 , 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> , 2019 , 20, 719-726	3.2	8
168	Formation of nanocrystalline BiFeO ₃ during heat treatment of hydroxides co-precipitated in an impinging-jets microreactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019 , 143, 107598	3.7	25
167	Very wide-bandgap nanostructured metal oxide materials for perovskite solar cells. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2019 , 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> , 2019 , 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> , 2019 , 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> , 2018 , 332, 31-37	1.8	16
163	The thermal behavior of mixed-layer Aurivillius phase Bi ₁₃ Fe ₅ Ti ₆ O ₃₉ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 473-478	4.1	8
162	Effect of spatial constraints on the phase evolution of YFeO ₃ -based nanopowders under heat treatment of glycine-nitrate combustion products. <i>Ceramics International</i> , 2018 , 44, 20906-20912	5.1	19
161	Charge pumping in nanotube filled with electrolyte. <i>Chinese Journal of Physics</i> , 2018 , 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> , 2018 , 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> , 2018 , 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> , 2018 , 327, 82-91	1.8	2

157	Comparative Energy Modeling of Multiwalled Mg ₃ Si ₂ O ₅ (OH) ₄ and Ni ₃ Si ₂ O ₅ (OH) ₄ Nanoscroll Growth. <i>Journal of Physical Chemistry C</i> , 2017 , 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> , 2017 , 620-627	1.8	6
155	Special features of formation of nanocrystalline BiFeO ₃ via the glycine-nitrate combustion method. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 2256-2262	0.7	21
154	Magnetic properties of Aurivillius phases Bi _{m+1} FemBTi ₃ O _{3m+3} with m = 5, 5, 7, 8. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016 , 214, 51-56	3.1	11
153	Prenucleation formations in control over synthesis of CoFe ₂ O ₄ nanocrystalline powders. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 851-856	0.8	12
152	Magnetic properties of synthetic Ni ₃ Si ₂ O ₅ (OH) ₄ nanotubes. <i>Europhysics Letters</i> , 2016 , 113, 47006	1.6	10
151	Morphology vs. chemical composition of single Ni-doped hydrosilicate nanoscroll. <i>Materials Letters</i> , 2016 , 171, 68-71	3.3	9
150	Peculiarities of structural transformations in zirconia nanocrystals. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6
149	Formation of variable-composition iron(III) hydrosilicates with the Bryotile structure. <i>Russian Journal of General Chemistry</i> , 2016 , 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 ₂ O ₃ H ₂ O System. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1932-1938	0.8	3
147	Energy model of radial growth of a nanotubular crystal. <i>Technical Physics Letters</i> , 2016 , 42, 55-58	0.7	7
146	Oxidation effects during corium melt in-vessel retention. <i>Nuclear Engineering and Design</i> , 2016 , 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> , 2015 , 85, 1370-1375	0.7	11
144	Formation of conical (Mg,Ni) ₃ Si ₂ O ₅ (OH) ₄ nanoscrolls. <i>Doklady Physical Chemistry</i> , 2015 , 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> , 2015 , 88, 1241-1247	0.8	12
142	New sacrificial material for ex-vessel core catcher. <i>Journal of Nuclear Materials</i> , 2015 , 467, 778-784	3.3	6
141	Features of nanosized YFeO ₃ formation under heat treatment of glycine-nitrate combustion products. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1193-1198	1.5	10
140	Energy model of bilayer nanoplate scrolling: Formation of chrysotile nanoscroll. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2238-2241	0.7	5

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

121	Structural features and stability of the Aurivillius phases $\text{Bi}_n + 1\text{Fe}_n \text{BTi}_3\text{O}_3n + 3$. <i>Doklady Chemistry</i> , 2012 , 447, 293-295	0.8	4
120	Analysis of physicochemical properties of nanoparticles obtained by pulsed electric discharges in water. <i>Technical Physics</i> , 2012 , 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> , 2012 , 58, 55-58	2.4	1
118	Peculiarities of layered perovskite-related GdSrFeO_4 compound solid state synthesis. <i>Journal of Alloys and Compounds</i> , 2011 , 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> , 2011 , 47, 420-425	0.9	19
116	Effect of the structure of precursors on the formation of nanotubular magnesium hydrosilicate. <i>Inorganic Materials</i> , 2011 , 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> , 2011 , 81, 2222-2230	0.7	10
114	Effect of laser processing on catalytic properties of shungite. <i>Russian Journal of Applied Chemistry</i> , 2011 , 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> , 2011 , 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> , 2011 , 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> , 2010 , 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> , 2010 , 84, 44-47	0.7	5
109	Waveguide modes and adhesion conditions for flow in a nanochannel. <i>Doklady Physics</i> , 2010 , 55, 271-273	0.8	1
108	Soliton in a nanotube wall and stokes flow in the nanotube. <i>Technical Physics Letters</i> , 2010 , 36, 852-855	0.7	4
107	Features of the phase formation in the nanocomposites. <i>Russian Journal of General Chemistry</i> , 2010 , 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> , 2010 , 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> , 2010 , 36, 351-357	0.7	8
104	Symmetrical features of the structure of C_{24} and C_{48} fullerenes. <i>Glass Physics and Chemistry</i> , 2010 , 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> , 2010 , 102, 809-811	4.1	10
102	Phase equilibria in the $\text{FeO}_{1+x}\text{O}_2\text{ZrO}_2$ system in the FeO_{1+x} -enriched domain. <i>Journal of Nuclear Materials</i> , 2010 , 400, 119-126	3.3	12
101	Influence of corium oxidation on fission product release from molten pool. <i>Nuclear Engineering and Design</i> , 2010 , 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> , 2009 , 60, 178-188	1.6	1
99	Nucleation in media in which nanoparticles of another phase are distributed. <i>Doklady Physical Chemistry</i> , 2009 , 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> , 2009 , 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> , 2009 , 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> , 2009 , 389, 52-56	3.3	12
95	Critical heat flux in a boiling aqueous dispersion of nanoparticles. <i>Technical Physics Letters</i> , 2009 , 35, 440-442	0.7	9
94	Symmetrical features of the structure of fullerene C_{20} . <i>Russian Journal of General Chemistry</i> , 2009 , 79, 274-277	0.7	
93	Thermal stability and catalytic properties of the composite amorphous Al_2O_3 -nanocrystals ZrO_2 . <i>Russian Journal of Applied Chemistry</i> , 2009 , 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> , 2009 , 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> , 2009 , 82, 2079-2086	0.8	10
90	Influence of microwave and ultrasonic treatment on the formation of CoFe_2O_4 under hydrothermal conditions. <i>Glass Physics and Chemistry</i> , 2009 , 35, 205-209	0.7	22
89	Structural stabilization of Fe^{4+} ions in perovskite-like phases based on the $\text{BiFeO}_3\text{-SrFeO}_y$ system. <i>Glass Physics and Chemistry</i> , 2009 , 35, 313-319	0.7	9
88	Investigation of the mechanism of formation of BaTi_4O_9 from initial mixtures of different dispersion. <i>Glass Physics and Chemistry</i> , 2009 , 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> , 2009 , 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> , 2009 , 54, 624-629	1.5	11

85	Formation and evolution of nanoscroll ensembles based on layered-structure compounds. <i>Doklady Physics</i> , 2009 , 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> , 2008 , 112, 12943-12950	3.8	14
83	Corium phase equilibria based on MASCA, METCOR and CORPHAD results. <i>Nuclear Engineering and Design</i> , 2008 , 238, 2761-2771	1.8	32
82	Magnetic properties of complex oxides Gd ₂ SrM ₂ O ₇ (M = Fe, Al). <i>Russian Journal of General Chemistry</i> , 2008 , 78, 2000-2001	0.7	9
81	Structure of aqueous dispersions of Mg ₃ Si ₂ O ₅ (OH) ₄ nanotubes. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 207-211	0.8	1
80	Interaction of Mg ₃ Si ₂ O ₅ (OH) ₄ nanotubes with potassium hydroxide. <i>Russian Journal of Applied Chemistry</i> , 2008 , 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> , 2008 , 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> , 2008 , 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> , 2008 , 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> , 2008 , 2, 485-493	3.4	35
75	New polyimide nanocomposites based on silicate type nanotubes: Dispersion, processing and properties. <i>Polymer</i> , 2007 , 48, 1306-1315	3.9	56
74	Phase diagram of the UO ₂ BeO _{1+x} system. <i>Journal of Nuclear Materials</i> , 2007 , 362, 46-52	3.3	21
73	Influence of iron on the kinetics of formation of chrysotile nanotubes of composition (Mg, Fe) ₃ Si ₂ O ₅ (OH) ₄ under hydrothermal conditions. <i>Geochemistry International</i> , 2007 , 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> , 2007 , 45, 22-31	0.8	6
71	Subsolidus phase relations in the system Tm ₂ O ₃ -Rh ₂ O ₃ . <i>Inorganic Materials</i> , 2007 , 43, 1326-1329	0.9	1
70	Hydrothermal synthesis of nanotubular Mg-Fe hydrosilicate. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 338-344	1.5	14
69	Hydrothermal synthesis of nanosized and amorphous alumina in the ZrO ₂ -Al ₂ O ₃ -H ₂ O system. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 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> , 2007 , 77, 221-225	0.7	2

67	Mechanism of formation of the complex oxide Gd ₂ SrFe ₂ O ₇ . <i>Russian Journal of General Chemistry</i> , 2007 , 77, 973-978	0.7	14
66	Mechanism and kinetics of formation of La ₂ SrFe ₂ O ₇ and Nb ₂ SrFe ₂ O ₇ . <i>Russian Journal of General Chemistry</i> , 2007 , 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> , 2007 , 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> , 2007 , 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> , 2007 , 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> , 2007 , 80, 528-535	0.8	2
61	Nanocomposite based on polyamidoimide with hydrosilicate nanoparticles of varied morphology. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 2142-2148	0.8	10
60	Investigation into the formation of phases with a Ba ₂ Ti ₉ O ₂₀ -type structure in the BaO-TiO ₂ and BaO-SrO-TiO ₂ systems. <i>Glass Physics and Chemistry</i> , 2007 , 33, 72-79	0.7	1
59	Crystallization and thermal transformations in nanocrystals of the YPO ₄ -LuPO ₄ -H ₂ O system. <i>Glass Physics and Chemistry</i> , 2007 , 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> , 2007 , 33, 237-241	0.7	13
57	Calorimetric investigation of nanotubular hydrosilicates in the Mg ₃ Si ₂ O ₅ (OH) ₄ -Ni ₃ Si ₂ O ₅ (OH) ₄ system. <i>Glass Physics and Chemistry</i> , 2007 , 33, 303-305	0.7	4
56	Simulation of the formation of nanorolls. <i>Glass Physics and Chemistry</i> , 2007 , 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> , 2007 , 33, 492-497	0.7	3
54	Phase equilibria in the Ho ₂ O ₃ -SrAl ₂ O ₄ system. <i>Glass Physics and Chemistry</i> , 2007 , 33, 498-501	0.7	3
53	Effect of the thermal prehistory of components on the hydration and crystallization of Mg ₃ Si ₂ O ₅ (OH) ₄ nanotubes under hydrothermal conditions. <i>Glass Physics and Chemistry</i> , 2007 , 33, 515-520	0.7	3
52	Nanocrystals of ZrO ₂ as sorption heat accumulators. <i>Glass Physics and Chemistry</i> , 2007 , 33, 587-589	0.7	1
51	Thermal behavior of layered perovskite-like compounds in the Bi ₄ Ti ₃ O ₁₂ -BiFeO ₃ system. <i>Glass Physics and Chemistry</i> , 2007 , 33, 608-612	0.7	11
50	Kinetics and mechanism of the formation of hollandites in the BaO(Cs ₂ O)-Al ₂ O ₃ -TiO ₂ system from initial mixtures prepared by different methods. <i>Glass Physics and Chemistry</i> , 2007 , 33, 613-619	0.7	1

49	Properties of aurivillius phases in the Bi ₄ Ti ₃ O ₁₂ -BiFeO ₃ system. <i>Inorganic Materials</i> , 2006 , 42, 189-195	0.9	99
48	Zirconia-based nanocrystals in the ZrO ₂ -In ₂ O ₃ system. <i>Inorganic Materials</i> , 2006 , 42, 1072-1075	0.9	8
47	Corrosion of vessel steel during its interaction with molten corium: Part 2: Model development. <i>Nuclear Engineering and Design</i> , 2006 , 236, 1362-1370	1.8	11
46	Corrosion of vessel steel during its interaction with molten corium: Part 1: Experimental. <i>Nuclear Engineering and Design</i> , 2006 , 236, 1810-1829	1.8	16
45	Phase diagram of the ZrO ₂ -FeO system. <i>Journal of Nuclear Materials</i> , 2006 , 348, 114-121	3.3	39
44	The Lu ₂ O ₃ -Al ₂ O ₃ system: Relationships for equilibrium-phase and supercooled states. <i>Journal of Crystal Growth</i> , 2006 , 293, 74-77	1.6	28
43	Effect of ZrO ₂ nanocrystals on the stabilization of the amorphous state of alumina and silica in the ZrO ₂ -Al ₂ O ₃ and ZrO ₂ -SiO ₂ systems. <i>Glass Physics and Chemistry</i> , 2006 , 32, 162-166	0.7	4
42	Distribution of components between immiscible melts of a system under nonisothermal conditions. <i>Glass Physics and Chemistry</i> , 2006 , 32, 638-642	0.7	5
41	Phase diagram of the LaFeO ₃ -LaSrFeO ₄ system. <i>Glass Physics and Chemistry</i> , 2006 , 32, 674-676	0.7	22
40	Phase and chemical transformations in the SiO ₂ -Fe ₂ O ₃ (Fe ₃ O ₄) system at various oxygen partial pressures. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 118-125	1.5	8
39	Phase relations in the ZrO ₂ -FeO system. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 325-331	1.5	13
38	Subsolidus phase relations in the Gd ₂ O ₃ -Rh ₂ O ₃ system. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 1116-1121	1.5	4
37	Thermal analysis of formation of ZrO ₂ nanoparticles under hydrothermal conditions. <i>Russian Journal of Inorganic Chemistry</i> , 2006 , 51, 1538-1542	1.5	5
36	The enthalpies of formation of natural and synthetic nanotubular chrysotile. <i>Russian Journal of Physical Chemistry A</i> , 2006 , 80, 1021-1024	0.7	3
35	Physicochemical modeling and analysis of the interaction between a core melt of the nuclear reactor and a sacrificial material. <i>Glass Physics and Chemistry</i> , 2005 , 31, 53-66	0.7	6
34	Kinetics of the nanocrystal formation in the ZrO ₂ -In ₂ O ₃ -H ₂ O system under hydrothermal conditions. <i>Glass Physics and Chemistry</i> , 2005 , 31, 236-239	0.7	1
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