

Victor V Gusarov

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174
papers

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176
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ext. citations

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L-index

#	Paper	IF	Citations
174	Specific Features of BiFeO ₃ Formation in a Mixture of Bismuth(III) and Iron(III) Oxides. <i>Russian Journal of General Chemistry</i> , 2003 , 73, 1676-1680	0.7	121
173	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
172	Aurivillius Phases in the Bi ₄ Ti ₃ O ₁₂ /BiFeO ₃ System: Thermal Behaviour and Crystal Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 1603-1608	1.3	63
171	Synthesis of Nanotubular Mg ₃ Si ₂ O ₅ (OH) ₄ -Ni ₃ Si ₂ O ₅ (OH) ₄ Silicates at Elevated Temperatures and Pressures. <i>Inorganic Materials</i> , 2005 , 41, 743-749	0.9	62
170	Preparation of Nanocrystalline Alumina under Hydrothermal Conditions. <i>Inorganic Materials</i> , 2005 , 41, 460-467	0.9	61
169	New polyimide nanocomposites based on silicate type nanotubes: Dispersion, processing and properties. <i>Polymer</i> , 2007 , 48, 1306-1315	3.9	56
168	Complex aluminates RE ₂ SrAl ₂ O ₇ (RE = La, Nd, Sm, Eu): Cation ordering and stability of the double perovskite slab/rock salt layer P2/RS intergrowth. <i>Solid State Sciences</i> , 2003 , 5, 343-349	3.4	52
167	Formation of Mg ₃ Si ₂ O ₅ (OH) ₄ Nanotubes under Hydrothermal Conditions. <i>Glass Physics and Chemistry</i> , 2004 , 30, 51-55	0.7	49
166	Synthesis of A _m Bi _{2m} O _{3m} + 3 Compounds in the Bi ₄ Ti ₃ O ₁₂ /BiFeO ₃ System. <i>Inorganic Materials</i> , 2002 , 38, 723-729	0.9	43
165	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
164	Phase diagram of the ZrO ₂ /BeO system. <i>Journal of Nuclear Materials</i> , 2006 , 348, 114-121	3.3	39
163	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
162	Corium phase equilibria based on MASCA, METCOR and CORPHAD results. <i>Nuclear Engineering and Design</i> , 2008 , 238, 2761-2771	1.8	32
161	The thermal effect of melting in polycrystalline systems. <i>Thermochimica Acta</i> , 1995 , 256, 467-472	2.9	30
160	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
159	Phase states in the Bi ₄ Ti ₃ O ₁₂ -BiFeO ₃ section in the Bi ₂ O ₃ -TiO ₂ -Fe ₂ O ₃ system. <i>Russian Journal of Inorganic Chemistry</i> , 2011 , 56, 616-620	1.5	27
158	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

157	Influence of microwave and ultrasonic treatment on the formation of CoFe ₂ O ₄ under hydrothermal conditions. <i>Glass Physics and Chemistry</i> , 2009 , 35, 205-209	0.7	22
156	Phase diagram of the LaFeO ₃ -LaSrFeO ₄ system. <i>Glass Physics and Chemistry</i> , 2006 , 32, 674-676	0.7	22
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	Phase diagram of the UO ₂ FeO _{1+x} system. <i>Journal of Nuclear Materials</i> , 2007 , 362, 46-52	3.3	21
153	Mechanism of Formation of Bi ₄ Ti ₃ O ₁₂ . <i>Russian Journal of General Chemistry</i> , 2002 , 72, 1038-1040	0.7	21
152	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
151	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
150	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
149	Electrical properties of perovskite-like compounds in the Bi ₂ O ₃ -Fe ₂ O ₃ -TiO ₂ system. <i>Inorganic Materials</i> , 2011 , 47, 420-425	0.9	19
148	Formation of ZrO ₂ Nanocrystals in Hydrothermal Media of Various Chemical Compositions. <i>Russian Journal of General Chemistry</i> , 2002 , 72, 849-853	0.7	19
147	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
146	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
145	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
144	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
143	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
142	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
141	Hydrothermal Synthesis of Magnesium Silicate Montmorillonite for Polymer-Clay Nanocomposites. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 26-32	0.8	16
140	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

- 139 Hydrothermal synthesis of nanotubular Mg-Fe hydrosilicate. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 338-344 1.5 14
- 138 Mechanism of formation of the complex oxide Gd₂SrFe₂O₇. *Russian Journal of General Chemistry*, **2007**, 77, 973-978 0.7 14
- 137 Glycine-nitrate combustion synthesis of nonstoichiometric Mg-Fe spinel nanopowders. *Inorganic Materials*, **2014**, 50, 1247-1251 0.9 13
- 136 Phase relationships in the SiO₂-TiO₂ system. *Russian Journal of Inorganic Chemistry*, **2011**, 56, 1464-1471 1.5 13
- 135 VVER vessel steel corrosion at interaction with molten corium in oxidizing atmosphere. *Nuclear Engineering and Design*, **2009**, 239, 1103-1112 1.8 13
- 134 Layered silicates with a montmorillonite structure: Preparation and prospects for the use in polymer nanocomposites. *Glass Physics and Chemistry*, **2007**, 33, 237-241 0.7 13
- 133 Phase relations in the ZrO₂-FeO system. *Russian Journal of Inorganic Chemistry*, **2006**, 51, 325-331 1.5 13
- 132 Experimental studies of oxidic molten corium-vessel steel interaction. *Nuclear Engineering and Design*, **2001**, 210, 193-224 1.8 13
- 131 Synthesis and properties of materials based on layered calcium and bismuth cobaltites. *Russian Journal of Applied Chemistry*, **2015**, 88, 1241-1247 0.8 12
- 130 Prenucleation formations in control over synthesis of CoFe₂O₄ nanocrystalline powders. *Russian Journal of Applied Chemistry*, **2016**, 89, 851-856 0.8 12
- 129 Eutectic crystallization in the FeO_{1.5}-O₂+xZrO₂ system. *Journal of Nuclear Materials*, **2009**, 389, 52-56 3.3 12
- 128 Phase equilibria in the FeO_{1+x}-O₂-ZrO₂ system in the FeO_{1+x}-enriched domain. *Journal of Nuclear Materials*, **2010**, 400, 119-126 3.3 12
- 127 Formation mechanism of nanocrystalline yttrium orthoferrite under heat treatment of the coprecipitated hydroxides. *Russian Journal of General Chemistry*, **2015**, 85, 1370-1375 0.7 11
- 126 Magnetic properties of Aurivillius phases Bi_{m+1}FemBTi₃O_{3m+3} with m = 5.5, 7, 8. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2016**, 214, 51-56 3.1 11
- 125 Energy of formation of chrysotile nanotubes. *Russian Journal of General Chemistry*, **2014**, 84, 2359-2363 0.7 11
- 124 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
- 123 Preparation and thermal transformations of nanocrystals in the LaPO₄-LuPO₄-H₂O system. *Glass Physics and Chemistry*, **2009**, 35, 431-435 0.7 11
- 122 Y₂O₃-Ga₂O₃ phase diagram. *Russian Journal of Inorganic Chemistry*, **2009**, 54, 624-629 1.5 11

121	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
120	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
119	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
118	Effects of the Starting Material and Hydrothermal Treatment Conditions on the Crystallization of Ultrafine Silica. <i>Inorganic Materials</i> , 2002 , 38, 227-235	0.9	11
117	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
116	Magnetic properties of synthetic Ni ₃ Si ₂ O ₅ (OH) ₄ nanotubes. <i>Europhysics Letters</i> , 2016 , 113, 47006	1.6	10
115	Features of nanosized YFeO ₃ formation under heat treatment of glycineβitrate combustion products. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 1193-1198	1.5	10
114	Mechanism of the nanocrystals formation of the spinel structure in the MgO-Al ₂ O ₃ -H ₂ O system under the hydrothermal conditions. <i>Russian Journal of General Chemistry</i> , 2011 , 81, 2222-2230	0.7	10
113	Effect of heat treatment on structural-chemical transformations in magnesium hydrosilicate [Mg ₃ Si ₂ O ₅ (OH) ₄] nanotubes. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 2079-2086	0.8	10
112	Thermal behavior of LaPO ₄ ·nH ₂ O and NdPO ₄ ·nH ₂ O nanopowders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 102, 809-811	4.1	10
111	Nanocomposite based on polyamidoimide with hydrosilicate nanoparticles of varied morphology. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 2142-2148	0.8	10
110	Simulation of the formation of nanorolls. <i>Glass Physics and Chemistry</i> , 2007 , 33, 315-319	0.7	10
109	Morphology vs. chemical composition of single Ni-doped hydrosilicate nanoscroll. <i>Materials Letters</i> , 2016 , 171, 68-71	3.3	9
108	Effect of the structure of precursors on the formation of nanotubular magnesium hydrosilicate. <i>Inorganic Materials</i> , 2011 , 47, 1111-1115	0.9	9
107	Critical heat flux in a boiling aqueous dispersion of nanoparticles. <i>Technical Physics Letters</i> , 2009 , 35, 440-442	0.7	9
106	Structural stabilization of Fe ⁴⁺ ions in perovskite-like phases based on the BiFeO ₃ -SrFeO _y system. <i>Glass Physics and Chemistry</i> , 2009 , 35, 313-319	0.7	9
105	Formation and evolution of nanoscroll ensembles based on layered-structure compounds. <i>Doklady Physics</i> , 2009 , 54, 491-493	0.8	9
104	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

103	Synthesis of Nanotubular Nickel Hydrosilicates and Nickel-Magnesium Hydrosilicates under Hydrothermal Conditions. <i>Glass Physics and Chemistry</i> , 2005 , 31, 797-802	0.7	9
102	Phase Equilibria in the Gd ₂ O ₃ -SrAl ₂ O ₄ System. <i>Glass Physics and Chemistry</i> , 2005 , 31, 808-811	0.7	9
101	Kinetics of Formation of Ruddlesden-Popper Phases: I. Mechanism of La ₂ SrAl ₂ O ₇ Formation. <i>Russian Journal of General Chemistry</i> , 2001 , 71, 1181-1185	0.7	9
100	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
99	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
98	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
97	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
96	Synthesis, mutual solubility, and thermal behavior of nanocrystals in the LaPO ₄ -YPO ₄ -H ₂ O system. <i>Glass Physics and Chemistry</i> , 2010 , 36, 351-357	0.7	8
95	Influence of corium oxidation on fission product release from molten pool. <i>Nuclear Engineering and Design</i> , 2010 , 240, 1229-1241	1.8	8
94	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
93	Zirconia-based nanocrystals in the ZrO ₂ -In ₂ O ₃ system. <i>Inorganic Materials</i> , 2006 , 42, 1072-1075	0.9	8
92	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
91	Kinetics of Ruddlesden-Popper Phase Formation: II. Mechanism of Nd ₂ SrAl ₂ O ₇ and Sm ₂ SrAl ₂ O ₇ Formation. <i>Russian Journal of General Chemistry</i> , 2003 , 73, 43-47	0.7	8
90	Oxidation effects during corium melt in-vessel retention. <i>Nuclear Engineering and Design</i> , 2016 , 305, 389-399	1.8	8
89	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
88	Control over morphology of magnesium-aluminum hydrosilicate nanoscrolls. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 1928-1935	0.8	7
87	Nucleation in media in which nanoparticles of another phase are distributed. <i>Doklady Physical Chemistry</i> , 2009 , 424, 43-45	0.8	7
86	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

85	Phase Relationships in the NaPO ₃ Al ₂ O ₃ Glass-Forming System. <i>Glass Physics and Chemistry</i> , 2002 , 28, 309-316	0.7	7
84	Kinetics of Ruddlesden-Popper Phase Formation: III. Mechanism of Gd ₂ SrAl ₂ O ₇ Formation. <i>Russian Journal of General Chemistry</i> , 2003 , 73, 684-688	0.7	7
83	Energy model of radial growth of a nanotubular crystal. <i>Technical Physics Letters</i> , 2016 , 42, 55-58	0.7	7
82	New sacrificial material for ex-vessel core catcher. <i>Journal of Nuclear Materials</i> , 2015 , 467, 778-784	3.3	6
81	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
80	Thermal stability and catalytic properties of the composite amorphous Al ₂ O ₃ -nanocrystals ZrO ₂ . <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 217-221	0.8	6
79	Effect of the phase composition of the starting mixture on the formation of the layered perovskite-like compound Bi ₇ Fe ₃ Ti ₃ O ₂₁ . <i>Russian Journal of Inorganic Chemistry</i> , 2010 , 55, 1541-1545	1.5	6
78	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
77	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
76	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
75	Flows in two-dimensional non-autonomous phases in polycrystalline systems. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1996 , 18, 799-805		6
74	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
73	Peculiarities of structural transformations in zirconia nanocrystals. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6
72	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
71	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
70	Energy model of bilayer nanoplate scrolling: Formation of chrysotile nanoscroll. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2238-2241	0.7	5
69	Analysis of physicochemical properties of nanoparticles obtained by pulsed electric discharges in water. <i>Technical Physics</i> , 2012 , 57, 1641-1645	0.5	5
68	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

49	Formation of variable-composition iron(III) hydrosilicates with the Brysotile structure. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 2581-2588	0.7	4
48	Structural features of carbon nanoparticles produced by chlorination of β -SiC nanopowder. <i>Doklady Physical Chemistry</i> , 2014 , 458, 153-157	0.8	3
47	Processing stages of $Gd_2Sr(Al_{1-x}Fe_x)_2O_7$ series. <i>Rare Metals</i> , 2014 , 33, 47-53	5.5	3
46	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
45	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
44	Phase equilibria in the Ho_2O_3 - $SrAl_2O_4$ system. <i>Glass Physics and Chemistry</i> , 2007 , 33, 498-501	0.7	3
43	Effect of the thermal prehistory of components on the hydration and crystallization of $Mg_3Si_2O_5(OH)_4$ nanotubes under hydrothermal conditions. <i>Glass Physics and Chemistry</i> , 2007 , 33, 515-520	0.7	3
42	Interaction of $Mg_3Si_2O_5(OH)_4$ nanotubes with potassium hydroxide. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 375-379	0.8	3
41	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
40	Subsolidus Phase Relations in the System Dy_2O_3 - Rh_2O_3 . <i>Inorganic Materials</i> , 2005 , 41, 840-844	0.9	3
39	Hydrothermal synthesis, phase formation and crystal chemistry of the pyrochlore/ Bi_2WO_6 and pyrochlore/ Bi_2O_3 composites in the Bi_2O_3 - Bi_2O_3 - WO_3 system. <i>Journal of Solid State Chemistry</i> , 2020 , 282, 121064	3.3	3
38	Effect of the sequence of chemical transformations on the spatial segregation of components and formation of periclase-spinel nanopowders in the MgO - Bi_2O_3 - H_2O System. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1932-1938	0.8	3
37	Subsolidus phase equilibria in the $GdFeO_3$ - $SrFeO_3$ - system in air. <i>Ceramics International</i> , 2020 , 46, 24526-24532	5.2	3
36	Soliton-induced flow in carbon nanotubes. <i>Europhysics Letters</i> , 2013 , 101, 66001	1.6	2
35	Formation of nanocrystals in the ZrO_2 - H_2O system. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2673-2676	2.6	2
34	Phase formation in a nanosize silicon oxide film on the surface of aluminum oxide. <i>Technical Physics Letters</i> , 1998 , 24, 1-3	0.7	2
33	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
32	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

31	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
30	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
29	Mechanism of the Formation of Ba ₂ Ti ₉ O ₂₀ -Based Phases in the Course of Solid-Phase Interaction in the BaO-TiO ₂ (ZrO ₂) and Cs ₂ O-BaO-TiO ₂ (ZrO ₂) Systems. <i>Glass Physics and Chemistry</i> , 2003 , 29, 188-193	0.7	2
28	Effects of silica and titania modification additions on the microstructure of sintered alumina. <i>Inorganic Materials</i> , 2000 , 36, 1127-1132	0.9	2
27	Model of spinodal decomposition of phases under hyperbolic diffusion. <i>Physics of the Solid State</i> , 1999 , 41, 824-826	0.8	2
26	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
25	Experimental study of oxidic-metallic melt oxidation. <i>Nuclear Engineering and Design</i> , 2020 , 363, 110618	1.8	2
24	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
23	Charge pumping in nanotube filled with electrolyte. <i>Chinese Journal of Physics</i> , 2018 , 56, 2531-2537	3.5	1
22	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
21	Investigation of the mechanism of formation of BaTi ₄ O ₉ from initial mixtures of different dispersion. <i>Glass Physics and Chemistry</i> , 2009 , 35, 327-331	0.7	1
20	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
19	Waveguide modes and adhesion conditions for flow in a nanochannel. <i>Doklady Physics</i> , 2010 , 55, 271-273	3.8	1
18	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
17	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
16	Nanocrystals of ZrO ₂ as sorption heat accumulators. <i>Glass Physics and Chemistry</i> , 2007 , 33, 587-589	0.7	1
15	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
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