

Olga A Shilova

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.

129
papers

630
citations

13
h-index

17
g-index

131
ext. papers

709
ext. citations

0.8
avg, IF

4.15
L-index

#	Paper	IF	Citations
129	Microbiologically induced deterioration and environmentally friendly protection of wood products 2022 , 283-321		1
128	Morphology and Structure of a Charge of Detonation Nanodiamond Doped with Boron. <i>Glass Physics and Chemistry</i> , 2022 , 48, 43-49	0.7	0
127	Effect of Liquid-Phase Synthesis Method of Nanopowders on Microstructure and Physicochemical Properties of Ceramics in CeO ₂ /Bm ₂ O ₃ System. <i>Inorganic Materials: Applied Research</i> , 2022 , 13, 501-507	0.6	1
126	Biocorrosion, Biofouling, and Advanced Methods of Controlling Them. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2022 , 58, 129-150	0.9	0
125	Comparative Characteristics of Xerogels Based on Zirconium Dioxide Obtained by the Method of Joint Deposition of Hydroxides in a Volume and a Microreactor with Counter Swirled Flows. <i>Glass Physics and Chemistry</i> , 2021 , 47, 653-656	0.7	1
124	Proton-Conducting Ceramics Based on Barium Hafnate and Cerate Doped with Zirconium, Yttrium, and Ytterbium Oxides for Fuel Cell Electrolytes. <i>Inorganic Materials: Applied Research</i> , 2021 , 12, 1265-1270	0.6	0
123	Development and Research on Ion-Conducting Membranes Based on Cross-Linked Polyvinyl Alcohol. <i>Glass Physics and Chemistry</i> , 2021 , 47, 173-180	0.7	1
122	Effect of Highly Porous Bioceramics Based on ZrO ₂ /Y ₂ O ₃ /CeO ₂ System on the Biological Tissues of Experimental Animals. <i>Inorganic Materials: Applied Research</i> , 2021 , 12, 370-376	0.6	
121	Controlling the Sorption Activity of Clinoptilolites with Mechanical Activation. <i>Inorganic Materials</i> , 2021 , 57, 399-408	0.9	1
120	Development of a Pt@C-Based Functional Composite Catalytic Material for Solid-Polymer Fuel Cell Electrodes. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 773-776	1.5	
119	Structure, Properties, and Phytoprotective Functions of Titanium Dioxide Nanopowders and Their Aqueous Suspensions. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 765-772	1.5	1
118	Synthesis and Research Using Computer Simulation of Proton-Conducting Solid Electrolytes Based on Hafnate and Barium Zirconate. <i>Glass Physics and Chemistry</i> , 2021 , 47, 366-371	0.7	0
117	The Development of Ion-Conducting Hybrid Membranes Based on Cross-Linked Poly(vinyl alcohol) Using a Latin Square. <i>Glass Physics and Chemistry</i> , 2021 , 47, 49-55	0.7	
116	Obtaining ZrO ₂ /B mol % Y ₂ O ₃ Ceramics with Various Degrees of Tetragonality and Studying Low Temperature Degradation. <i>Glass Physics and Chemistry</i> , 2021 , 47, 382-389	0.7	1
115	Binary Inhibitory Anti-Rust Paint. <i>E3S Web of Conferences</i> , 2021 , 225, 05006	0.5	
114	Study of the Color Characteristics of Organosilicate Coatings with Various Pigments Under a Tropical Marine Climate. <i>Glass Physics and Chemistry</i> , 2021 , 47, 671-675	0.7	
113	Improvement of the Physicomechanical and Corrosion-Protective Properties of Coatings Based on a Cycloaliphatic Epoxy Matrix. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 1489-1498	0.8	0

112	Sol-Gel Synthesis and Structure of Nanocomposites Based on Tetraethoxysilane and Boron Compounds. <i>Glass Physics and Chemistry</i> , 2021 , 47, S48-S62	0.7	
111	Synthesis of Iron Oxide Magnetic Nanoparticles and Their Effect on Growth, Productivity, and Quality of Tomato. <i>Glass Physics and Chemistry</i> , 2021 , 47, S67-S74	0.7	
110	Influence of Silica Sols and Magnetic Nanopowders of Iron Oxides on Barkley Seeds during Their Interaction with Water. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 626-629	1.5	3
109	Influence of Xerogel Synthesis Conditions in the ZrO ₂ -2O ₃ -TeO ₂ System on the Properties of Powders and Ceramics Based on Them. <i>Glass Physics and Chemistry</i> , 2020 , 46, 176-180	0.7	1
108	Fractals, morphogenesis and triply periodic minimal surfaces in sol-gel-derived thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 95, 599-608	2.3	7
107	Synthesis and Research of Functional Layers Based on Titanium Dioxide Nanoparticles and Silica Sols Formed on the Surface of Seeds of Chinese Cabbage. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 25-34	0.8	1
106	Development and Research of Electroactive Pseudocapacitor Electrode Pastes Based on MnO ₂ . <i>Glass Physics and Chemistry</i> , 2020 , 46, 96-101	0.7	1
105	Synthesis of Magnetic Nanopowders of Iron Oxide: Magnetite and Maghemite. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 426-430	1.5	7
104	Sol-Gel Derived TiO ₂ and Epoxy-Titanate Protective Coatings: Structure, Property, Fungicidal Activity and Biomineralization Effects. <i>Lecture Notes in Earth System Sciences</i> , 2020 , 619-638	0.4	
103	Liquid-Phase Synthesis and Physical and Chemical Properties of Ceramic Electrolyte Nanomaterials in the CeO ₂ -BaO System for Solid Oxide Fuel Cells. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 1229-1235	0.6	1
102	Chemistry and Manufacturing Technology of Electronic Ink for Electrophoretic Displays (A Review). <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 1985-2005	1.5	0
101	Heat-Resistant Protective Organosilicate Coatings for Nuclear Energy. <i>Glass Physics and Chemistry</i> , 2020 , 46, 357-359	0.7	1
100	Synthesis and Sensor Characteristics of Nanoscale Thin Films in the In ₂ O ₃ -SnO ₂ and Y ₂ O ₃ -BaOx(CeOx) Systems. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 441-447	0.6	1
99	Investigating the Relationship between the Conditions of Polythiophene Electrosynthesis and the Pseudocapacitive Properties of Polythiophene-Based Electrodes. <i>Glass Physics and Chemistry</i> , 2019 , 45, 281-290	0.7	0
98	Synthesis of BaCe _{0.9-x} Zr _x Y _{0.1} O _{3-δ} Nanopowders and the study of proton conductors fabricated on their basis by low-temperature spark plasma sintering. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 20345-20354	6.7	19
97	Improving the Safety of the Transportation System and Resource Conservation through the Introduction of Environmentally Safe Protective Coatings. <i>Glass Physics and Chemistry</i> , 2019 , 45, 1-9	0.7	7
96	Sol-gel preparation of protective and decorative coatings on wood. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 92, 474-483	2.3	10
95	Bimetallic Pt/Pd nanoparticles in sol-gel-derived silica films and xerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 92, 367-375	2.3	4

94	Environmentally Friendly Protective Coatings for Transport. <i>Herald of the Russian Academy of Sciences</i> , 2019 , 89, 279-286	0.7	6
93	Effect of t-ZrO ₂ -Based Ceramic Samples on the Condition of Muscular and Connecting Tissues in Experimental Animals with Intramuscular Introduction. <i>Inorganic Materials: Applied Research</i> , 2019 , 10, 1109-1114	0.6	3
92	Improving the Bioresistance of Silica-Organic Coatings by Introducing Soft Biocides Based on Intracomplex Compounds of Triethanolamine. <i>Glass Physics and Chemistry</i> , 2019 , 45, 372-378	0.7	4
91	Preparation and Study of Porous Ceramics Based on Zirconium Dioxide for Endoprosthesis. <i>Glass Physics and Chemistry</i> , 2019 , 45, 551-554	0.7	
90	Application of BaTiO ₃ /CoFe ₂ O ₄ /BiO ₂ Structure to Control the Electrical Properties of Composites. <i>Glass Physics and Chemistry</i> , 2019 , 45, 513-517	0.7	1
89	Production of Chemically Pure Zirconia-Based Nanoceramics in the ZrO ₂ (Y ₂ O ₃)Al ₂ O ₃ System for Restorative Dentistry. <i>Theoretical Foundations of Chemical Engineering</i> , 2019 , 53, 848-854	0.9	1
88	Preparation and Characterization of Nanoceramics for Solid Oxide Fuel Cells. <i>Inorganic Materials</i> , 2018 , 54, 79-86	0.9	3
87	Using the Sol-Gel Technology for the Treatment of Barley Seeds. <i>Glass Physics and Chemistry</i> , 2018 , 44, 26-32	0.7	4
86	Spark plasma sintering of nanopowders in the CeO ₂ -Y ₂ O ₃ system as a promising approach to the creation of nanocrystalline intermediate-temperature solid electrolytes. <i>Ceramics International</i> , 2018 , 44, 19879-19884	5.1	20
85	Hydroxyapatite/Anatase Photocatalytic Core-Shell Composite Prepared by Sol-Gel Processing. <i>Crystallography Reports</i> , 2018 , 63, 254-260	0.6	5
84	Liquid-Phase Synthesis and Investigation of Powders Based on Zirconium Dioxide. <i>Glass Physics and Chemistry</i> , 2018 , 44, 626-631	0.7	4
83	Synthesis and Physicochemical Properties of Nanopowders and Ceramics in a CeO ₂ -d ₂ O ₃ System. <i>Glass Physics and Chemistry</i> , 2018 , 44, 314-321	0.7	10
82	Comparative Study of Powders Based on the ZrO ₂ -Y ₂ O ₃ -BiO ₂ System Obtained by Various Liquid Phase Methods of Synthesis. <i>Glass Physics and Chemistry</i> , 2018 , 44, 433-439	0.7	8
81	Composition and structure of platinum-containing thin composite films prepared from silica sols. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 645-653	1.5	5
80	Methods and Approaches of the Sol-Gel Technology for the Surface Modification of Aluminum Oxide Powders. <i>Glass Physics and Chemistry</i> , 2017 , 43, 571-584	0.7	1
79	Synthesis and comparative studies of xerogels, aerogels, and powders based on the ZrO ₂ -Y ₂ O ₃ -BiO ₂ system. <i>Glass Physics and Chemistry</i> , 2017 , 43, 368-375	0.7	8
78	Synthesis of the study of solid solutions based on the ZrO ₂ -HfO ₂ -Y ₂ O ₃ (CeO ₂) system. <i>Glass Physics and Chemistry</i> , 2017 , 43, 464-470	0.7	5
77	Influence of cryochemical and ultrasonic processing on the texture and thermal decomposition of xerogels and properties of nanoceramics in the ZrO ₂ -Y ₂ O ₃ -Al ₂ O ₃ system. <i>Inorganic Materials</i> , 2017 , 53, 640-647	0.9	7

76	Electroconducting ceramics based on In ₂ O ₃ , CdO, and LaCrO ₃ . <i>Glass Physics and Chemistry</i> , 2017 , 43, 276-281	0.7	5
75	Composite materials based on oxides of d and f elements and carbon layers. <i>Inorganic Materials: Applied Research</i> , 2017 , 8, 254-259	0.6	1
74	Preparation and properties of porous ceramics based on alumomagnesium spinel and zirconium dioxide. <i>Inorganic Materials: Applied Research</i> , 2017 , 8, 781-787	0.6	0
73	Synthesis and study of solid solutions based on indium oxide in the In ₂ O ₃ -rO ₂ (HfO ₂) systems as a material for fuel cell interconnectors. <i>Inorganic Materials: Applied Research</i> , 2016 , 7, 658-663	0.6	1
72	Synthesis and study of mesoporous xerogels and nanopowders of a metastable solid solution 97ZrO ₂ -BY ₂ O ₃ for the fabrication of catalyst substrates. <i>Glass Physics and Chemistry</i> , 2016 , 42, 277-283	0.7	5
71	Study of rheological properties of sol-gel systems based on tetraethoxysilanes in the presence of boric acid, gadolinium nitrate, and organic polyols. <i>Glass Physics and Chemistry</i> , 2016 , 42, 50-58	0.7	2
70	Composition, structure, and morphology of the surface of nanodimensional platinum-containing films obtained from sols. <i>Glass Physics and Chemistry</i> , 2016 , 42, 78-86	0.7	5
69	Effect of biocidal additives on the mesostructure of epoxy-siloxane bioactive coatings. <i>Journal of Surface Investigation</i> , 2016 , 10, 113-122	0.5	3
68	Structure and proton conductivity of a hydrated Nafion-115 membrane. <i>Glass Physics and Chemistry</i> , 2016 , 42, 637-639	0.7	2
67	Study of the lyophilic properties and cytotoxicity of nanostructured bioceramics based on the ZrO ₂ -Y ₂ O ₃ -Er ₂ O ₃ and ZrO ₂ -Y ₂ O ₃ -Al ₂ O ₃ systems. <i>Glass Physics and Chemistry</i> , 2016 , 42, 609-614	0.7	4
66	Electrochemical synthesis of polythiophene-polyacrylamide composite coatings used for pseudocapacitors. <i>Glass Physics and Chemistry</i> , 2016 , 42, 635-636	0.7	2
65	Current state and prospects of manufacturing and operation of methane-based fuel cells (review). <i>Glass Physics and Chemistry</i> , 2016 , 42, 1-19	0.7	3
64	Neodymium nickelate as a cathode material for fuel cells. <i>Glass Physics and Chemistry</i> , 2016 , 42, 95-99	0.7	3
63	Synthesis and physicochemical properties of a solid oxide nanocomposite based on a ZrO ₂ -Y ₂ O ₃ -Er ₂ O ₃ -MgO system. <i>Glass Physics and Chemistry</i> , 2016 , 42, 505-511	0.7	11
62	Liquid-phase synthesis and physicochemical properties of xerogels, nanopowders and thin films of the CeO ₂ -Y ₂ O ₃ system. <i>Russian Journal of Inorganic Chemistry</i> , 2016 , 61, 1061-1069	1.5	13
61	Sol-gel synthesis and study of the hydrophobicity of coatings prepared using modified aerosols. <i>Glass Physics and Chemistry</i> , 2016 , 42, 194-201	0.7	4
60	Porous ceramics based on the ZrO ₂ (Y ₂ O ₃)-Al ₂ O ₃ system for filtration membranes. <i>Glass Physics and Chemistry</i> , 2016 , 42, 408-413	0.7	4
59	Resistive humidity sensors based on proton-conducting organic-inorganic silicophosphates doped by polyionenes. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 74, 472-481	2.3	14

58	On the influence of detonation nanodiamond dopants on phase content and hydration features of portland cement materials. <i>Glass Physics and Chemistry</i> , 2015 , 41, 206-211	0.7	2
57	Partially stabilized zirconium dioxide xerogels and nanocrystalline ceramics for restorative dentistry. <i>Inorganic Materials: Applied Research</i> , 2015 , 6, 485-492	0.6	0
56	The dual role of SiO ₂ as a pore former and sintering aid in the preparation of the porous ceramic in ZrO ₂ -In ₂ O ₃ system. <i>Glass Physics and Chemistry</i> , 2015 , 41, 431-436	0.7	2
55	Synthesis and study of film-forming composites based on silica sols and dispersed oxides for the fabrication of glass ceramic electro-insulating coatings. <i>Glass Physics and Chemistry</i> , 2015 , 41, 607-614	0.7	1
54	Core-shell Approach to Control Acid-Base Properties of Surface of Dielectric and Permittivity of Its Composite. <i>Chemistry Letters</i> , 2015 , 44, 197-199	1.7	21
53	Synthesis and study of nanoceramics of the spinel class. <i>Glass Physics and Chemistry</i> , 2015 , 41, 650-655	0.7	2
52	Relationship between the composition of functional groups on the surface of hybrid silicophosphate membranes and their proton conductivity. <i>Glass Physics and Chemistry</i> , 2014 , 40, 97-98	0.7	20
51	Features of the synthesis and the study of nanocrystalline cobalt-nickel spinel. <i>Glass Physics and Chemistry</i> , 2014 , 40, 106-113	0.7	14
50	Synthesis and study of sensor oxide nanofilms in a ZrO ₂ -CeO ₂ system. <i>Glass Physics and Chemistry</i> , 2014 , 40, 362-366	0.7	9
49	Preparation of zirconia-based nanoceramics with a high degree of tetragonality. <i>Glass Physics and Chemistry</i> , 2014 , 40, 352-355	0.7	20
48	The sol-gel and hydrophobic properties of antifriction coatings for use in high-speed mini-turbogenerators. <i>Glass Physics and Chemistry</i> , 2014 , 40, 319-323	0.7	9
47	The formation and study of sensor thin layers based on zirconium and rare earth metal (Ce, Y, and Tb) oxides and the preparation of metal-oxide-semiconductor structures based on them. <i>Glass Physics and Chemistry</i> , 2014 , 40, 629-634	0.7	3
46	Synthesis and investigation of nanoceramics based on cobalt metaniobate. <i>Glass Physics and Chemistry</i> , 2014 , 40, 578-583	0.7	9
45	Small-angle neutron scattering study of the mesostructure of bioactive coatings for stone materials based on nanodiamond-modified epoxy siloxane sols. <i>Physics of the Solid State</i> , 2014 , 56, 105-113	0.8	9
44	Ceramic nanocomposites based on oxides of transition metals for ionistors. <i>Glass Physics and Chemistry</i> , 2013 , 39, 570-578	0.7	11
43	Sol-gel synthesis and the study of the surface of epoxide-siloxane and epoxide-titanate coatings. <i>Glass Physics and Chemistry</i> , 2013 , 39, 540-547	0.7	6
42	Modification of submicron barium titanate particles via sol-gel synthesis of interface layers of SiO ₂ for fabrication of polymer-inorganic composites with improved dielectric properties. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1594-1595	0.7	7
41	Synthesis and structure features of composite silicate and hybrid TEOS-derived thin films doped by inorganic and organic additives. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 68, 387-410	2.3	33

40	Improvement of dielectric characteristics of cyanoethyl ether of polyvinyl alcohol-BaTiO ₃ composites by modifying filler surface. <i>Glass Physics and Chemistry</i> , 2013 , 39, 597-601	0.7	3
39	Bioactive coatings based on nanodiamond-modified epoxy siloxane sols for stone materials. <i>Inorganic Materials</i> , 2012 , 48, 702-708	0.9	19
38	Synthesis and study of oxide and phosphor-silicate nanocomposites for the creation of new-generation supercapacitors. <i>Glass Physics and Chemistry</i> , 2012 , 38, 332-338	0.7	5
37	Effect of the modification of barium titanate on the permittivity of its composites with cyanoethyl ester of polyvinyl alcohol. <i>Glass Physics and Chemistry</i> , 2011 , 37, 624-628	0.7	24
36	Modification of the glass surface by titanium dioxide films synthesized through the sol-gel method. <i>Glass Physics and Chemistry</i> , 2011 , 37, 150-156	0.7	4
35	Sol-Gel synthesis of solid solutions based on zirconium and hafnium dioxides. <i>Glass Physics and Chemistry</i> , 2011 , 37, 505-511	0.7	2
34	Electrophoresis in the sol-gel formation of heterophase thin-film coatings. <i>Glass Physics and Chemistry</i> , 2011 , 37, 545-548	0.7	1
33	Biogenic Crystal Genesis on a Carbonate Rock Monument Surface: The Main Factors and Mechanisms, the Development of Nanotechnological Ways of Inhibition 2011 , 401-413		3
32	Heterogeneous Sol-Gel Systems Derived Ceramics. <i>Advances in Science and Technology</i> , 2010 , 63, 131-140	0.1	3
31	Specific features of structuring of film-forming silica sols in the presence of boric acid and four-arm polyol with hyperbranched structure. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 2128-2134	0.8	4
30	Physicochemical and electrophysical properties of glass-ceramic composite coatings prepared from doped silica sol-chromium oxide sol-gel systems. <i>Glass Physics and Chemistry</i> , 2010 , 36, 446-454	0.7	2
29	Properties of proton-conducting materials formed by the sol-gel method. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 986-990	0.8	1
28	Influence of the composition and structure of epoxy siloxane matrix on the spectral behavior of the Nile red dye: I. Sol-gel system based on tetraethoxysilane and a mixture of epoxy resins. <i>Glass Physics and Chemistry</i> , 2009 , 35, 87-93	0.7	5
27	Investigation of the parameters of layers prepared through diffusion of boron and gadolinium from silicate and hybrid films into silicon wafers. <i>Glass Physics and Chemistry</i> , 2009 , 35, 102-111	0.7	2
26	Influence of the composition and structure of epoxy siloxane matrix on the spectral behavior of the Nile red dye: II. Sol-gel system based on tetraethoxysilane and glycidoxypropyltrimethoxysilane. <i>Glass Physics and Chemistry</i> , 2009 , 35, 170-175	0.7	1
25	Investigation of the surface of silica films doped with Fe and Co. <i>Glass Physics and Chemistry</i> , 2009 , 35, 479-483	0.7	2
24	Development of the technology for preparing and storing hydrogen with the use of nanostructured materials for an autonomous integrated wind power plant. <i>Glass Physics and Chemistry</i> , 2009 , 35, 491-503	0.7	1
23	Thermal stability of proton-conducting silicophosphate materials formed by sol-gel method. <i>Russian Journal of Electrochemistry</i> , 2009 , 45, 609-614	1.2	3

22	Features of simultaneous diffusion of boron and gadolinium in silicon from nanoscale hybrid organic-inorganic films. <i>Semiconductors</i> , 2009 , 43, 1394-1399	0.7	2
21	Sol-gel film structures based on titanate ferroelectric nanoparticles 2009 ,		1
20	Sol-gel synthesis and fluorescence properties of hybrid nanocomposite materials doped with the Nile Red dye. <i>Glass Physics and Chemistry</i> , 2008 , 34, 63-67	0.7	4
19	Sol-gel synthesis and investigation of proton-conducting hybrid organic-inorganic silicophosphate materials. <i>Glass Physics and Chemistry</i> , 2008 , 34, 68-76	0.7	21
18	Investigation into the surface morphology of nanosized silicate and hybrid films by optical and atomic-force microscopy. <i>Glass Physics and Chemistry</i> , 2007 , 33, 306-314	0.7	5
17	Influence of a high-frequency field on the formation of photosensitive thin-film materials synthesized by the sol-gel method. <i>Glass Physics and Chemistry</i> , 2007 , 33, 340-343	0.7	3
16	Ways of Controlling Structure and Properties of Sol-Gel-Derived Hybrid Micro- and Nanocomposite Materials. <i>Advances in Science and Technology</i> , 2006 , 45, 793-798	0.1	5
15	Sol-gel synthesis and investigation of hybrid organic-inorganic borosilicate nanocomposites. <i>Glass Physics and Chemistry</i> , 2006 , 32, 218-227	0.7	14
14	Specific features of the structure of sol-gel silicate films doped with Mn and Pt. <i>Glass Physics and Chemistry</i> , 2006 , 32, 228-233	0.7	5
13	Investigation into the influence of organic modifiers and ultradispersed hybrid fillers on the structure and properties of glass-ceramic coatings prepared by the sol-gel method. <i>Glass Physics and Chemistry</i> , 2006 , 32, 439-447	0.7	3
12	Investigation of the structuring in the Sol-Gel systems based on tetraethoxysilane. <i>Glass Physics and Chemistry</i> , 2006 , 32, 448-459	0.7	10
11	Investigation of the physicochemical properties, structure, and composition of nanosized borosilicate films prepared by the sol-gel method. <i>Glass Physics and Chemistry</i> , 2006 , 32, 460-470	0.7	5
10	Evolution of the properties of sol-gel derived hybrid organic-inorganic xerogels and coatings in the course of heat treatment. <i>Glass Physics and Chemistry</i> , 2006 , 32, 656-665	0.7	3
9	Kinetics of structuring in the sol-gel systems based on tetraethoxysilane with organic additives: II. Gels. <i>Glass Physics and Chemistry</i> , 2006 , 32, 666-673	0.7	2
8	Silicate nanosized films prepared by the sol-gel method for use in planar technology for fabricating semiconductor gas sensors. <i>Glass Physics and Chemistry</i> , 2005 , 31, 201-218	0.7	14
7	Kinetics of structuring in the sol-gel systems based on tetraethoxysilane with organic additives: I. Sols. <i>Glass Physics and Chemistry</i> , 2005 , 31, 219-228	0.7	6
6	Synthesis of Porous Inorganic Materials from Sol-Gel Precursors by Cryochemical Sublimation. <i>Glass Physics and Chemistry</i> , 2005 , 31, 352-355	0.7	2
5	Formation of Catalytic Layers from Tetraethoxysilane-Based Sols for Use in Polymer Fuel Cells. <i>Glass Physics and Chemistry</i> , 2004 , 30, 98-100	0.7	3

4	The Influence of Ultrasonic Treatment on the Gelation in a Tetraethoxysilane-Boric Acid System. <i>Glass Physics and Chemistry</i> , 2004 , 30, 471-472	0.7	1
3	The Influence of Low- and High-Molecular Hydroxyl-Containing Additives on the Stability of Sol-Gel Tetraethoxysilane-Based Systems and on the Structure of Hybrid Organic-Inorganic Coatings. <i>Glass Physics and Chemistry</i> , 2003 , 29, 378-389	0.7	6
2	SOL-GEL TECHNOLOGY FOR PREPARATION OF SPIN-ON GLASS FILMS IN A CYCLE OF MANUFACTURING GAS SENSORS 2003 ,		4
1	Synthesis and Investigation of Ceramic Materials for Medium-Temperature Solid Oxide Fuel Cells		