Nikita Golubev

List of Publications by Year in descending order

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43	557	567281 15	677142 22
papers	citations	h-index	g-index

44	44	44	499
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical amplification in Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e137" altimg="si13.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>-doped gallium germanosilicate glass-ceramics. Optics Communications, 2021, 491, 126955.	2.1	7
2	Responsive charge transport in wide-band-gap oxide films of nanostructured amorphous alkali-gallium-germanosilicate. Journal of Materials Chemistry C, 2019, 7, 7768-7778.	5.5	2
3	Pre-crystallization heat treatment and infrared luminescence enhancement in Ni2+-doped transparent glass-ceramics. Journal of Non-Crystalline Solids, 2019, 515, 42-49.	3.1	15
4	Spectral-luminescent and laser properties of the (Y1-x,Ybx)2O3â^'Al2O3â^'B2O3 glasses. Optical Materials, 2018, 76, 253-259.	3.6	3
5	Radio- and photoluminescence properties of Ce/Tb co-doped glasses with huntite-like composition. Optical Materials, 2018, 78, 247-252.	3.6	7
6	One-step micro-modification of optical properties in silver-doped zinc phosphate glasses by femtosecond direct laser writing. Journal of Non-Crystalline Solids, 2018, 481, 634-642.	3.1	25
7	Direct femtosecond laser-induced formation of CdS quantum dots inside silicate glass. Optics Letters, 2018, 43, 2519.	3.3	18
8	Donorâ€“Acceptor Control in Grownâ€inâ€Glass Gallium Oxide Nanocrystals by Crystallizationâ€driven Heterovalent Doping. ChemPhysChem, 2017, 18, 662-669.	2.1	7
9	Augmented excitation cross section of gadolinium ions in nanostructured glasses. Optics Letters, 2017, 42, 2419.	3.3	5
10	Formation of Luminescent and Birefringent Microregions in Phosphate Glass Containing Silver. Glass and Ceramics (English Translation of Steklo I Keramika), 2016, 73, 277-282.	0.6	11
11	Spectroscopic Properties of Yttrium-Aluminum-Borate Glasses Activated by Terbium and Cerium Ions. Glass and Ceramics (English Translation of Steklo I Keramika), 2016, 72, 366-369.	0.6	4
12	Nucleation-controlled vacancy formation in light-emitting wide-band-gap oxide nanocrystals in glass. Journal of Materials Chemistry C, 2015, 3, 4380-4387.	5.5	5
13	Diffusion-driven and size-dependent phase changes of gallium oxide nanocrystals in a glassy host. Physical Chemistry Chemical Physics, 2015, 17, 5141-5150.	2.8	11
14	Non-aqueous solâ€“gel synthesis of hybrid rare-earth-doped Î³-Ga₂O₃nanoparticles with multiple organicâ€“inorganic-ionic light-emission features. Journal of Materials Chemistry C, 2015, 3, 41-45.	5.5	27
15	Light-emitting Ga-oxide nanocrystals in glass: a new paradigm for low-cost and robust UV-to-visible solar-blind converters and UV emitters. Nanoscale, 2014, 6, 1763-1774.	5.6	33
16	Crystallization of nanoheterogeneities in Ga-containing germanosilicate glass: Dielectric and refractive response changes. Acta Materialia, 2014, 70, 19-29.	7.9	9
17	Space-selective enhancement of blue photoluminescence in gallium germanosilicate glass through laser-induced nanostructuring. Materials Letters, 2014, 122, 174-177.	2.6	5
18	Native amorphous nanoheterogeneity in gallium germanosilicates as a tool for driving Ga₂O₃nanocrystal formation in glass for optical devices. Nanoscale, 2013, 5, 299-306.	5.6	41

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19	Broadband luminescence in nanostructured glasses. Glass and Ceramics (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	2
20	Oxide glass with minimum distance 0.67 nm between rare-earth activators. Glass and Ceramics (English) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	4
21	Structure of low-silica glasses in the K2O-Nb2O5-SiO2 system. Theoretical Foundations of Chemical Engineering, 2013, 47, 1-9.	0.7	0
22	Local crystallization of glasses aided by copper vapor laser. Glass and Ceramics (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	4
23	Oscillator strengths of absorption transitions from the 5 D 0 state in huntite-like EuAl3(BO3)4 polycrystals. Journal of Applied Spectroscopy, 2013, 80, 536-541.	0.7	2
24	Crystallization and luminescence properties of (Sm x Y1 â€“ x)2O3â€“Al2O3â€“B2O3 glass. Glass and Ceramics (English Translation of Steklo I Keramika), 2013, 69, 370-374.	0.6	3
25	Broadband infrared light-emitting patterns in optical glass by laser-induced nanostructuring of NiO-doped alkali-gallium germanosilicates. Optics Letters, 2013, 38, 492.	3.3	16
26	Spectroscopic properties of Sm-containing yttrium-aluminoborate glasses and analogous huntite-like polycrystals. Materials Chemistry and Physics, 2012, 137, 48-54.	4.0	17
27	Nickel-assisted growth and selective doping of spinel-like gallium oxide nanocrystals in germano-silicate glasses for infrared broadband light emission. Nanotechnology, 2012, 23, 015708.	2.6	39
28	Microfluorescence Analysis of Nanostructuring Inhomogeneity in Optical Fibers with Embedded Gallium Oxide Nanocrystals. Microscopy and Microanalysis, 2012, 18, 259-265.	0.4	13
29	Luminescence of borogermanate glasses activated by Er3+ and Yb3+ ions. Journal of Non-Crystalline Solids, 2011, 357, 67-72.	3.1	25
30	Nano-heterogeneous structure of (1-x)KNbO3â€“xSiO2 glasses in the low glass-forming oxide content range 0.05â‰¤xâ‰¤0.3. Journal of Non-Crystalline Solids, 2011, 357, 3136-3142.	3.1	2
31	The role of networking in the optical anisotropy of hot-extruded calcium phosphate glass. Materials Chemistry and Physics, 2011, 128, 12-15.	4.0	3
32	Nickel-doped gallium-containing glasses luminescent in the near-infrared spectral range. Glass Physics and Chemistry, 2010, 36, 657-662.	0.7	8
33	Structure of lanthanum-borogermanate glass with stillwellite composition according to vibrational spectroscopy data. Glass and Ceramics (English Translation of Steklo I Keramika), 2010, 67, 105-108.	0.6	23
34	Rearrangement of optical centers and stimulated radiation of Eu3+ in polycrystalline huntite under optical and electron-beam excitation. JETP Letters, 2010, 92, 497-501.	1.4	13
35	Glasses and their crystallization in the (1âˆ’Ñ…)KNbO3Â·Ñ…SiO2 system at low glass-forming oxide contents, 0â©½Ñ…â©½0.35. Journal of Non-Crystalline Solids, 2010, 356, 958-965.	3.1	15
36	Borogermanate glasses with a high terbium oxide content. Journal of Non-Crystalline Solids, 2010, 356, 1655-1659.	3.1	44

#	Article	IF	Citations
37	Low silica K2O â€“ Nb2O5 â€“ SiO2 nonlinear optical glasses. Glass and Ceramics (English Translation of) Tj ETQq1 1 0.784314 rgBT /O	0.6	1
38	Glass formation, crystallization, and spectral-luminescence properties of glasses of the Er2O3-Yb2O3-B2O3-GeO2 System. Glass and Ceramics (English Translation of Steklo I Keramika), 2008, 65, 340-343.	0.6	3
39	Langmuir-Blodgett composite films for the selective determination of calcium in aqueous solutions. Russian Journal of Physical Chemistry A, 2008, 82, 1334-1342.	0.6	5
40	Second-order optical non-linearity initiated in Li2Oâ€“Nb2O5â€“SiO2 and Li2Oâ€“ZnOâ€“Nb2O5â€“SiO2 glasses by formation of polar and centrosymmetric nanostructures. Journal of Non-Crystalline Solids, 2008, 354, 873-881.	3.1	24
41	Nanosized structural transformation and nonlinear optical properties of lithium niobium germanate glasses. Journal of Non-Crystalline Solids, 2008, 354, 1909-1914.	3.1	26
42	On the nature of the second-order optical nonlinearity of nanoinhomogeneous glasses in the Li2O-Nb2O5-SiO2 system. Glass Physics and Chemistry, 2007, 33, 97-105.	0.7	12
43	A novel ultra-sensing composed Langmuirâ€“Blodgett membrane for selective calcium determination in aqueous solutions. Sensors and Actuators B: Chemical, 2006, 114, 19-27.	7.8	18