Olga S Dymshits

List of Publications by Year
in descending order

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80	1,295	304743 22	434195 31
papers	citations	h-index	g-index

80	80	80	779
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ZnO â€“ Yb2O3 composite optical ceramics: Synthesis, structure and spectral-luminescent properties. Journal of the European Ceramic Society, 2022, 42, 616-630.	5.7	5
2	Transparent materials based on semiconducting ZnO: glass-ceramics and optical ceramics doped with rare-earth and transition-metal ions. Journal of Non-Crystalline Solids, 2022, 588, 121625.	3.1	10
3	In the memory of Professor Sergei V. Nemilov (1939â€“2020). International Journal of Applied Glass Science, 2021, 12, 187-188.	2.0	0
4	Linear and non-linear optical properties of transparent glass-ceramics based on Co2+-doped Zn(Al,Ga)2O4 spinel nanocrystals. Journal of Non-Crystalline Solids, 2021, 557, 120627.	3.1	3
5	Transparent glass-ceramics based on Co2+-doped Î³-GaxAl2â€™xO3 spinel nanocrystals for passive Q-switching of Er lasers. Journal of Luminescence, 2021, 234, 117993.	3.1	4
6	Synthesis, structure and spectroscopy of Fe2+:MgAl2O4 transparent ceramics and glass-ceramics. Journal of Luminescence, 2021, 236, 118090.	3.1	14
7	Microstructure, doping and optical properties of Co2+:ZnAl2O4 transparent ceramics for saturable absorbers: Effect of the ZnF2 sintering additive. Journal of Alloys and Compounds, 2020, 829, 154514.	5.5	21
8	Saturable absorption properties at 1.54 Âµm of Cr²⁺:ZnS prepared by thermal diffusion at hot isostatic pressing. Laser Physics Letters, 2019, 16, 065801.	1.4	5
9	Structural transformations and spectroscopic properties of Ni-doped magnesium aluminosilicate glass-ceramics nucleated by a mixture of TiO2 and ZrO2 for broadband near-IR light emission. Journal of Alloys and Compounds, 2019, 780, 137-146.	5.5	25
10	PassivelyQ-switched 1.6Âµm Er:YAG laser with aÎ³-Ga₂O₃:Co-based glass-ceramics as a saturable absorber. Laser Physics Letters, 2018, 15, 045004.	1.4	5
11	Structural transformations and optical properties of glass-ceramics based on ZnO, Î²- and Î±-Zn2SiO4 nanocrystals and doped with Er2O3 and Yb2O3: Part I. The role of heat-treatment. Journal of Luminescence, 2018, 202, 47-56.	3.1	24
12	Light scattering in glass-ceramics: revision of the concept. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1717.	2.1	24
13	Glass-ceramics with Co²⁺:Mg(Al,Ga)₂O₄ nanocrystals: novel saturable absorber for compact erbium lasers. Proceedings of SPIE, 2017, , .	0.8	0
14	Crystallization and nonlinear optical properties of transparent glass-ceramics with Co:Mg(Al,Ga)2O4 nanocrystals for saturable absorbers of lasers at 1.6â€“1.7 Âµm. Journal of Physics and Chemistry of Solids, 2017, 103, 132-141.	4.0	16
15	Synthesis, characterization and absorption saturation of Co:ZnAl2O4 (gahnite) transparent ceramic and glass-ceramics: A comparative study. Journal of Alloys and Compounds, 2017, 725, 998-1005.	5.5	37
16	Effect of low NiO doping on anomalous light scattering in zinc aluminosilicate glass-ceramics. Journal of Non-Crystalline Solids, 2017, 473, 152-169.	3.1	11
17	On the measurements of scattering coefficient of nanostructured glass-ceramics by a serial spectrophotometer. Measurement: Journal of the International Measurement Confederation, 2017, 95, 306-316.	5.0	10
18	Compact 0.7 mJ/11 ns eye-safe erbium laser. Laser Physics, 2016, 26, 125801.	1.2	12

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19	Structure and nonlinear optical properties of novel transparent glass-ceramics based on Co²⁺:ZnO nanocrystals. Laser Physics Letters, 2016, 13, 055803.	1.4	25
20	Glass-ceramics with Co²⁺:ZnO nanocrystals: Novel saturatable absorber for Er lasers. , 2016, , .		0
21	Saturable absorber: transparent glass-ceramics based on a mixture of Co:Î²-Zn_2SiO_4 and Co:ZnO nanocrystals. Applied Optics, 2016, 55, 5505.	2.1	27
22	Photoluminescence of transparent glass-ceramics based on ZnO nanocrystals and co-doped with Eu3+, Yb3+ ions. Optical Materials, 2016, 62, 666-672.	3.6	11
23	Optical properties of transparent cobalt-containing magnesium aluminosilicate glass-ceramics doped with gallium oxide for saturable absorbers. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Over		
24	Transparent glassâ€“ceramics with (Eu3+,Yb3+):YNbO4 nanocrystals: Crystallization, structure, optical spectroscopy and cooperative upconversion. Journal of Luminescence, 2016, 179, 64-73.	3.1	34
25	The crystallization of glasses of the MgOâ€“Al_2O_3â€“SiO_2â€“TiO_2â€“ZrO_2â€“Y_2O_3 system and the nature of a new yttrium-containing crystalline phase. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.784314 rgBT /Over		
26	Phase transformations in glass of the MgOâ€“Al2O3â€“SiO2â€“TiO2 system doped with yttrium oxide. Glass Physics and Chemistry, 2015, 41, 597-606.	0.7	6
27	Glass-ceramics withÎ³-Ga₂O₃:Co²⁺nanocrystals: saturable absorber for 1.5â€“1.7â€‰Î¼m Er lasers. Laser Physics Letters, 2015, 12, 035803.	1.4	20
28	Structural evolution of Ni environment in lithium, magnesium and zinc aluminosilicate glasses and glass-ceramics. Journal of Non-Crystalline Solids, 2015, 413, 24-33.	3.1	19
29	1 mJ single-rod fiber Er:glass laser for rangefinding. Proceedings of SPIE, 2015, , .	0.8	2
30	Effect of yttrium oxide on the crystallization of glasses of the MgOâ€“Al_2O_3â€“SiO_2 system, nucleated by a mix of titanium and zirconium dioxides, and the transparency of glass–crystalline materials in the superhigh-frequency spectral region. Journal of Optical Technology (A Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	12
31	Structural characteristics and spectral properties of novel transparent lithium aluminosilicate glass-ceramics containing (Er,Yb)NbO4 nanocrystals. Journal of Luminescence, 2015, 160, 337-345.	3.1	19
32	In situ evolution of Ni environment in magnesium aluminosilicate glasses and glassâ€“ceramicsâ€“Influence of ZrO2 and TiO2 nucleating agents. Journal of Physics and Chemistry of Solids, 2015, 78, 137-146.	4.0	9
33	Structure and upconversion luminescence of transparent glass-ceramics containing (Er,Yb)2(Ti,Zr)2O7 nanocrystals. Journal of Non-Crystalline Solids, 2015, 409, 54-62.	3.1	20
34	Anomalies in light scattering by glassâ€“ceramics of the zinc aluminum silicate system, caused by low nickel oxide doping. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 729.	0.4	10
35	Transparent glassâ€“ceramics based on ZnO and ZnO:Co^2+ nanocrystals. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 723.	0.4	16
36	Luminescence of erbium ions in transparent glass-ceramics containing (Er,Yb)NbO<inf>4</inf> nanocrystals. , 2014, , .		0

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37	Influence of NiO on phase transformations and optical properties of ZnOâ€“Al2O3â€“SiO2 glass-ceramics nucleated by TiO2 and ZrO2. Part I. Influence of NiO on phase transformations of ZnOâ€“Al2O3â€“SiO2 glass-ceramics nucleated by TiO2 and ZrO2. Journal of Non-Crystalline Solids, 2014, 384, 73-82.	3.1	25
38	Features of the phase transformations in titanium-containing zinc aluminosilicate glasses doped with cobalt oxide. Glass Physics and Chemistry, 2013, 39, 113-123.	0.7	4
39	Influence of NiO on phase transformations and optical properties of ZnOâ€“Al2O3â€“SiO2 glassâ€“ceramics nucleated by TiO2 and ZrO2. Part II. Optical absorption and luminescence. Journal of Non-Crystalline Solids, 2013, 376, 99-105.	3.1	22
40	Features of the anomalous scattering of light in two-phase sodium borosilicate glass. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2013, 80, 706.	0.4	10
41	Structural transformations and spectroluminescence properties of magnesium aluminosilicate glassâ€“ceramics containing Er_xY b_2-x(Ti,Zr)_2O_7 nanocrystals. Journal of Optical Technology (A) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 537	0.4	8
42	Synthesis and spectroluminescence properties of lithium aluminosilicate glassâ€“ceramics containing Er_xY b_2?xTi_2O_7 nanocrystals. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537	0.4	10
43	Influence of various alkali and divalent metal oxides on phase transformations in NiO-doped glasses of the Li2Oâ€“Al2O3â€“SiO2â€“TiO2 system. Journal of Non-Crystalline Solids, 2011, 357, 2209-2214.	3.1	21
44	Influence of CoO addition on phase separation and crystallization of glasses of the ZnOâ€“Al2O3â€“SiO2â€“TiO2 system. Journal of Non-Crystalline Solids, 2011, 357, 3928-3939.	3.1	27
45	Luminescence of transparent glass ceramics containing Er3+ and Yb3+ zirconate-titanate nanocrystals. Journal of Applied Spectroscopy, 2011, 78, 650-658.	0.7	5
46	Optical applications of glass-ceramics. Journal of Non-Crystalline Solids, 2010, 356, 3042-3058.	3.1	66
47	Raman spectroscopy quantifying the composition of stuffed Î²-quartz derivative phases in lithium aluminosilicate glass-ceramics. Journal of Non-Crystalline Solids, 2008, 354, 4932-4939.	3.1	29
48	Anomalously Low Light Scattering in the Na₂O-Nb₂O₅-SiO₂ Glass-Ceramics. Advanced Materials Research, 2008, 39-40, 273-276.	0.3	10
49	Stimulated emission of Co2+-doped glassâ€“ceramics. Journal of Non-Crystalline Solids, 2007, 353, 2408-2414.	3.1	22
50	Passive Q-switching of erbium glass laser by magnesium aluminosilicate sitall with cobalt ions. Journal of Applied Spectroscopy, 2007, 74, 140-146.	0.7	10
51	Small-angle X-ray scattering and low-frequency Raman scattering study of liquid phase separation and crystallization in titania-containing glasses of the ZnOâ€“Al2O3â€“SiO2 System. Journal of Non-Crystalline Solids, 2005, 351, 711-721.	3.1	30
52	Raman spectroscopy study of phase transformations in titania-containing lithium aluminosilicate glasses doped with CoO. Journal of Non-Crystalline Solids, 2005, 351, 2969-2978.	3.1	20
53	Absorption, emission and absorption saturation of Cr4+ ions in calcium aluminate glass. Journal of Non-Crystalline Solids, 2005, 351, 3551-3555.	3.1	34
54	The Influence of Nickel Oxide Additives on the Phase Separation and Crystallization of Glasses in the MgOâ€“Al2O3â€“SiO2â€“TiO2System. Glass Physics and Chemistry, 2004, 30, 300-310.	0.7	25

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55	Spectroscopic and X-ray Diffraction Investigations into the Specific Features of Crystallization of Potassium Niobium Silicate Glasses. Glass Physics and Chemistry, 2004, 30, 311-320.	0.7	21
56	The influence of NiO on phase separation and crystallization of glasses of the MgOâ€“Al2O3â€“SiO2â€“TiO2 system. Journal of Non-Crystalline Solids, 2004, 345-346, 187-191.	3.1	11
57	Magnesium- and zinc-aluminosilicate cobalt-doped glass ceramics as saturable absorbers for diode-pumped 13-Î¼m laser. Applied Optics, 2004, 43, 682.	2.1	36
58	Influence of reducing-oxidizing conditions on the optical properties of Co^2+-doped magnesium aluminosilicate glass ceramics and their use as an effective saturable absorber Q switch. Applied Optics, 2004, 43, 6011.	2.1	6
59	Phase Separation and Crystallization in Glasses of the Na2Oâ€“K2Oâ€“Nb2O5â€“SiO2 System. Glass Physics and Chemistry, 2003, 29, 243-253.	0.7	9
60	On the Phase Separation and Crystallization of Glasses in the MgOâ€“Al2O3â€“SiO2â€“TiO2 System. Glass Physics and Chemistry, 2003, 29, 254-266.	0.7	32
61	Linear and nonlinear optical properties of cobalt-doped zinc aluminum glass ceramics. Journal of Applied Physics, 2003, 93, 3827-3831.	2.5	49
62	Nonlinear absorption properties of new cobalt-doped transparent glass ceramics. , 2002, 4751, 326.		1
63	Nanosized glass-ceramics doped with transition metal ions: nonlinear spectroscopy and possible laser applications. Journal of Alloys and Compounds, 2002, 341, 247-250.	5.5	29
64	Spectroscopic properties of magnesium aluminosilicate glass-ceramics doped with divalent cobalt ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2002, 93, 559-566.	0.6	4
65	Title is missing!. Glass Physics and Chemistry, 2002, 28, 66-78.	0.7	24
66	Cobalt-doped transparent glass ceramic as a saturable absorber Q switch for erbium:glass lasers. Applied Optics, 2001, 40, 4322.	2.1	65
67	Low-frequency Raman scattering of magnesium aluminosilicate glasses and glass-ceramics. Journal of Non-Crystalline Solids, 2001, 282, 306-316.	3.1	33
68	Crystallization of Glasses in the K2Oâ€“Nb2O5â€“SiO2System. Glass Physics and Chemistry, 2001, 27, 504-511.	0.7	11
69	New Co-containing glass ceramics saturable absorbers for 1.5-Î¼m solid state lasers. , 2001, 4350, 106.		1
70	Low-frequency Raman scattering and small-angle X-ray scattering of glasses inclined to phase decomposition. Journal of Non-Crystalline Solids, 1999, 243, 244-250.	3.1	11
71	Structural transformations of nanometer sized crystals in CoO-doped Î²-eucryptite-based glass-ceramics. Journal of Non-Crystalline Solids, 1999, 258, 216-222.	3.1	18
72	The structure of luminescence centers of neodymium in glasses and transparent glass-ceramics of the Li2O-Al2O3-SiO2 system. Journal of Non-Crystalline Solids, 1996, 196, 67-72.	3.1	21

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73	Structural states of Co(II) in Î²-eucryptite-based glass-ceramics nucleated with ZrO2. Journal of Non-Crystalline Solids, 1996, 204, 151-157.	3.1	18
74	Structural states of Ni(II) in glasses and glass-ceramic materials of the lithium-aluminium-silicate system. Journal of Non-Crystalline Solids, 1991, 127, 44-52.	3.1	35
75	Raman-scattering results on transformations in finely divided titanium dioxide. Journal of Applied Spectroscopy, 1989, 50, 593-598.	0.7	3
76	Use of induction furnaces with a cold crucible for melting hard glasses (review). Glass and Ceramics (English Translation of Steklo I Keramika), 1986, 43, 391-396.	0.6	1
77	Optical properties of new saturable absorbers for 1.3 - 1.6 mcm lasers. , 0, , .		0
78	Diode-pumped 1.35-micron Nd:KGd(WO/sub 4/)/sub 2/ laser passively Q-switched with cobalt-doped glass ceramics. , 0, , .		0
79	Stimulated emission from co-doped zinc-aluminosilicate glass ceramics. , 0, , .		0
80	Formation and Passive Q-Switch Performance of Glass-Ceramics Containing Co²⁺-Doped Spinel Nanocrystals. Advanced Materials Research, 0, 39-40, 219-224.	0.3	19