List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Light scattering in Eu3+-doped glass-ceramics containing SrIINbIVO3 nanocrystals. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 3116.	2.1	1
2	Pulse-burst Er:glass laser. , 2017, , .		2
3	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
4	Glass-ceramics with Yb, Tm:YNbO <inf>4</inf> nanocrystals: Novel NIR-to-NIR upconversion phosphor. , 2016, , .		0
5	Compact 0.7 mJ/11 ns eye-safe erbium laser. Laser Physics, 2016, 26, 125801.	1.2	12
6	Structure and nonlinear optical properties of novel transparent glass-ceramics based on Co ²⁺ :ZnO nanocrystals. Laser Physics Letters, 2016, 13, 055803.	1.4	25
7	Glass-ceramics with Co ²⁺ :ZnO nanocrystals: Novel saturatable absorber for Er lasers. , 2016, , .		0
8	Synthesis, structure and Q-switching behaviour of transparent glass-ceramics based on a mixture of Co:β-Zn <inf>2</inf> SiO <inf>4</inf> and Co:ZnO nanocrystals. , 2016, , .		0
9	Saturable absorber: transparent glass-ceramics based on a mixture of Co:β-Zn_2SiO_4 and Co:ZnO nanocrystals. Applied Optics, 2016, 55, 5505.	2.1	27
10	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 ETQq0 C) 0 ng;BT /C	Overlock 10 Th
11	Novel transparent glass-ceramics based on Co:Li(Al, Ga) <inf>5</inf> O <inf>8</inf> nanocrystals for passive Q-switching of Er lasers. , 2016, , .		0
12	Transparent glass–ceramics with (Eu3+,Yb3+):YNbO4 nanocrystals: Crystallization, structure, optical spectroscopy and cooperative upconversion. Journal of Luminescence, 2016, 179, 64-73.	3.1	34
13	The crystallization of glasses of the MgO–Al_2O_3–SiO_2–TiO_2–ZrO_2–Y_2O_3 system and the nature of a new yttrium-containing crystalline phase. Journal of Optical Technology (A Translation of) Tj ETQq1 I	l0. ø8 431	4 rgBT /Over
14	Phase transformations in glass of the MgO–Al2O3–SiO2–TiO2 system doped with yttrium oxide. Glass Physics and Chemistry, 2015, 41, 597-606.	0.7	6
15	Glass-ceramics with <i>γ</i> -Ga ₂ O ₃ :Co ²⁺ nanocrystals: saturable absorber for 1.5–1.7 <i>μ</i> m Er lasers. Laser Physics Letters, 2015, 12, 035803.	1.4	20
16	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
17	Spectroscopic properties of highly concentrated Nd3-doped antimony-phosphate glass for microchip lasers. Class Physics and Chemistry, 2015, 41, 137-144.	0.7	2
18	1 mJ single-rod fiber Er:glass laser for rangefinding. Proceedings of SPIE, 2015, , .	0.8	2

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19	Effect of yttrium oxide on the crystallization of glasses of the MgO–Al_2O_3–SiO_2 system, nucleated by a mix of titanium and zirconium dioxides, and the transparency of glasscrystalline materials in the superhigh-frequency spectral region. Journal of Optical Technology (A Translation of) Tj ETQq1 1	0. 9 84314	rgBT /Overlo
20	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
21	In situ evolution of Ni environment in magnesium aluminosilicate glasses and glass–ceramics–Influence of ZrO2 and TiO2 nucleating agents. Journal of Physics and Chemistry of Solids, 2015, 78, 137-146.	4.0	9
22	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
23	Foreword from the editors of this issue. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq1 1 C	.784314 rg 0.4	gBT /Overl <mark>oc</mark>
24	Anomalies in light scattering by glass–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
25	Transparent glass–ceramics based on ZnO and ZnO:Co^2+ nanocrystals. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 723.	0.4	16
26	Luminescence of erbium ions in transparent glass-ceramics containing (Er,Yb)NbO <inf>4</inf> nanocrystals. , 2014, , .		0
27	Influence of NiO on phase transformations and optical properties of ZnO–Al2O3–SiO2 glass-ceramics nucleated by TiO2 and ZrO2. Part I. Influence of NiO on phase transformations of ZnO–Al2O3–SiO2 glass-ceramics nucleated by TiO2 and ZrO2. Journal of Non-Crystalline Solids, 2014, 384, 73-82.	3.1	25
28	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
29	Influence of NiO on phase transformations and optical properties of ZnO–Al2O3–SiO2 glass–ceramics nucleated by TiO2 and ZrO2. Part II. Optical absorption and luminescence. Journal of Non-Crystalline Solids, 2013, 376, 99-105.	3.1	22
30	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
31	Structural transformations and spectroluminescence properties of magnesium aluminosilicate glass–ceramics containing Er_xY b_2-x(Ti,Zr)_2O_7 nanocrystals. Journal of Optical Technology (A) Tj ETQq1 I	L 007484314	l ngBT ∕Overl
32	Synthesis and spectroluminescence properties of lithium aluminosilicate glass–ceramics containing Er_xY b_2?xTi_2O_7 nanocrystals. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq0 0 0 rgB'	Г / О. ærlock	2 100 Tf 50 21
33	Metamaterials with a network structure. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq1 1	0.784314 0.4	rgBT /Overloo
34	Principles of a new method of obtaining optical metamaterials. Journal of Optical Technology (A) Tj ETQq0 0 0 rg	BT/Qverlo	ck 10 Tf 50 1
35	Laser ceramic 2 Spectroscopic and lasing properties. Journal of Optical Technology (A Translation of) Tj ETQq1 1	0.784314 0.4	rgBT /Overlo
36	Influence of various alkali and divalent metal oxides on phase transformations in NiO-doped glasses of the Li2O–Al2O3–SiO2–TiO2 system. Journal of Non-Crystalline Solids, 2011, 357, 2209-2214.	3.1	21

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37	Influence of CoO addition on phase separation and crystallization of glasses of the ZnO–Al2O3–SiO2–TiO2 system. Journal of Non-Crystalline Solids, 2011, 357, 3928-3939.	3.1	27
38	Luminescence of transparent glass ceramics containing Er3+ and Yb3+ zirconate-titanate nanocrystals. Journal of Applied Spectroscopy, 2011, 78, 650-658.	0.7	5
39	Metamaterials: A new direction in materials science. Glass Physics and Chemistry, 2010, 36, 521-553.	0.7	1
40	Laser ceramic 1 Production methods. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq0 0 0 r	gBT /Overl 0.4	lock 10 Tf 50
41	Optical applications of glass-ceramics. Journal of Non-Crystalline Solids, 2010, 356, 3042-3058.	3.1	66
42	The new SOO-U6 and SOO-18 light-scattering glass-ceramics. Journal of Optical Technology (A) Tj ETQq0 0 0 rgB	T /Qverloc .4	k 10 Tf 50 54
43	Metamaterials and the problem of creating invisible objects 2 Invisible shells that conceal the objects contained in them from an external observer. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.7843	140r.gBT /(Overlock 10 T
44	OPTICAL WAVEGUIDES IN GLASSES DOPED WITH LEAD SULFIDE QUANTUM DOTS. , 2009, , .		0
45	Diode-pumped Tm:KY(WO4)2 laser passively Q-switched withÂPbS-doped glass. Applied Physics B: Lasers and Optics, 2008, 93, 787-791.	2.2	36
46	Raman spectroscopy quantifying the composition of stuffed β-quartz derivative phases in lithium aluminosilicate glass-ceramics. Journal of Non-Crystalline Solids, 2008, 354, 4932-4939.	3.1	29
47	Metamaterials with negative refractive index. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.7843	14 _{.0} gBT /(Overlock 10 T
48	Erbium-glass slab laser with transverse diode pumping. Journal of Optical Technology (A Translation) Tj ETQq0 0	0 rgBT /Ov	verlock 10 Tf !
49	Metamaterials and the problem of creating invisible objects 1 Objects with size less than a wavelength. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2008, 75, 792.	0.4	2
50	Anomalously Low Light Scattering in the Na ₂ O-Nb ₂ O ₅ -SiO ₂ Glass-Ceramics. Advanced Materials Research, 2008, 39-40, 273-276.	0.3	10
51	Structural Features of Nano-Scaled Metamaterials Containing PbS Nanocrystals. Advanced Materials Research, 2008, 39-40, 31-36.	0.3	2
52	Passive Q-switching of diode-pumped Tm:KY(WO 4) 2 laser with PbS-doped glass and Cr:ZnSe crystal. , 2007, , .		2
53	<title>Testing of KGSS-0180 laser glass for platinum micro-inclusions</title> . , 2007, , .		1
54	Stimulated emission of Co2+-doped glass–ceramics. Journal of Non-Crystalline Solids, 2007, 353, 2408-2414.	3.1	22

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55	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
56	RELAXATION PROCESSES IN LEAD SULFIDE QUANTUM DOTS. , 2007, , .		0
57	PbS quantum-dot-doped glass for efficient passive mode locking in a CW Yb : KYW laser. IEEE Photonics Technology Letters, 2006, 18, 259-261.	2.5	20
58	Nanostructured glass-crystal materials with lead sulfide for passive Q switching of IR lasers. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2006, 73, 576.	0.4	21
59	Stimulated emission of Co^2+ ions in transparent glass-ceramics. Journal of Optical Technology (A) Tj ETQq1 1 (0.784314 0.4	rgBT /Overloc
60	Variation of the transmittance and the Kerr constant during the crystallization of sodium-niobium-silicate glasses. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2006, 73, 590.	0.4	11
61	Holmium lasers passively Q-switched with PbS quantum-dot-doped glasses. Applied Optics, 2006, 45, 536.	2.1	18
62	Nd:KGd(WO4)2 laser at 1.35μm passively Q-switched with V3+:YAG crystal and PbS-doped glass. Optical Materials, 2006, 28, 919-924.	3.6	13
63	Nonlinear spectroscopy of PbS quantum-dot-doped glasses as saturable absorbers for the mode locking of solid-state lasers. Journal of Applied Physics, 2006, 100, 023108.	2.5	23
64	Nonlinear spectroscopy and laser performance of PbS quantum-dot-doped glass as a saturable absorber for passive mode-locking of 1-μm lasers. , 2006, , .		0
65	<title>Passive <emph type="1">Q</emph>-switching of 2-μm holmium lasers with PbS-quantum dot-doped glass</title> . , 2005, 6054, 16.		1
66	INTENSITY- AND SIZE-DEPENDENT RELAXATION IN PbS QUANTUM DOTS IN GLASS. , 2005, , .		0
67	<title>Lead sulfide quantum dots for mode-locking and Q-switching of near IR lasers</title> . , 2005, , .		1
68	Intensity-dependent bleaching relaxation in lead salt quantum dots. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1660.	2.1	21
69	Small-angle X-ray scattering and low-frequency Raman scattering study of liquid phase separation and crystallization in titania-containing glasses of the ZnO–Al2O3–SiO2 System. Journal of Non-Crystalline Solids, 2005, 351, 711-721.	3.1	30
70	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
71	Absorption, emission and absorption saturation of Cr4+ ions in calcium aluminate glass. Journal of Non-Crystalline Solids, 2005, 351, 3551-3555.	3.1	34
72	PbS-doped Glass Saturable Absorbers for Mode-Locked and Q-Switched Near-IR Lasers. , 2005, , .		1

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#	Article	IF	CITATIONS
73	Lead Sulfide Doped Glass Saturable Absorbers for Mode- Locked and Q-Switched Near IR Lasers. , 2005, ,		0
74	The Influence of Nickel Oxide Additives on the Phase Separation and Crystallization of Glasses in the MgO–Al2O3–SiO2–TiO2System. Glass Physics and Chemistry, 2004, 30, 300-310.	0.7	25
75	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
76	Relaxation of Bleaching in Lead Sulfide Nanoparticles at Different Pump Powers. Journal of Applied Spectroscopy, 2004, 71, 83-88.	0.7	12
77	Passive mode locking of a Cr4+:YAG laser by PbS quantum-dot-doped glass saturable absorber. Optics Communications, 2004, 241, 449-454.	2.1	37
78	Phase transformations in Na2O–K2O–Nb2O5–SiO2 glasses. Journal of Non-Crystalline Solids, 2004, 345-346, 182-186.	3.1	19
79	The influence of NiO on phase separation and crystallization of glasses of the MgO–Al2O3–SiO2–TiO2 system. Journal of Non-Crystalline Solids, 2004, 345-346, 187-191.	3.1	11
80	Magnesium- and zinc-aluminosilicate cobalt-doped glass ceramics as saturable absorbers for diode-pumped 13-μm laser. Applied Optics, 2004, 43, 682.	2.1	36
81	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
82	Intensity dependent bleaching relaxation in PbS quantum dots. , 2004, , .		0
83	Phase Separation and Crystallization in Glasses of the Na2O–K2O–Nb2O5–SiO2 System. Glass Physics and Chemistry, 2003, 29, 243-253.	0.7	9
84	On the Phase Separation and Crystallization of Glasses in the MgO–Al2O3–SiO2–TiO2 System. Glass Physics and Chemistry, 2003, 29, 254-266.	0.7	32
85	Viscous shrinkage of microchannel plates. Journal of Optical Technology (A Translation of) Tj ETQq1 1 0.784314	rgBT/Ove	erlock 10 Tf 5
86	Nonmonotonic transmittance variation of a material during the crystallization of liquating glasses. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2003, 70, 857.	0.4	2
87	Measuring the surface tension of glass in the temperature region of softening and viscous flow. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2003, 70, 888.	0.4	3
88	Linear and nonlinear optical properties of cobalt-doped zinc aluminum glass ceramics. Journal of Applied Physics, 2003, 93, 3827-3831.	2.5	49
89	Nonlinear absorption properties of new cobalt-doped transparent glass ceramics. , 2002, 4751, 326.		1

90 Nonlinear optical properties of PbS and PbSe quantum dots in glassy matrices. , 2002, 4748, 375.

#	Article	IF	CITATIONS
91	Glass doped with PbS quantum dots as a saturable absorber for 1-μm neodymium lasers. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 28.	2.1	51
92	Optical absorption and luminescence study of cobalt-doped magnesium aluminosilicate glass ceramics. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1815.	2.1	30
93	Study of the strength of laser glasses by a photoelasticity method. Journal of Optical Technology (A) Tj ETQq1	0.784314	4 rgBT /Overlo
94	Study of phase transformations in titanium-containing magnesium-aluminum silicate glasses and glass-ceramics for diffuse reflectors. Journal of Optical Technology (A Translation of Opticheskii) Tj ETQq0 0 0 rg	gBT ØØverl	ocka10 Tf 50 6
95	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
96	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
97	Title is missing!. Glass Physics and Chemistry, 2002, 28, 66-78.	0.7	24
98	Passive Q-switching of 1.35 μm diode-pumped Nd: KGW laser with PbS- doped silicate glasses. , 2002, , .		0
99	Cobalt-doped transparent glass ceramic as a saturable absorber Q switch for erbium:glass lasers. Applied Optics, 2001, 40, 4322.	2.1	65
100	Low-frequency Raman scattering of magnesium aluminosilicate glasses and glass-ceramics. Journal of Non-Crystalline Solids, 2001, 282, 306-316.	3.1	33
101	Title is missing!. Glass Physics and Chemistry, 2001, 27, 88-91.	0.7	0
102	Title is missing!. Glass Physics and Chemistry, 2001, 27, 344-352.	0.7	14
103	Crystallization of Glasses in the K2O–Nb2O5–SiO2System. Glass Physics and Chemistry, 2001, 27, 504-511.	0.7	11
104	New Co-containing glass ceramics saturable absorbers for 1.5-μm solid state lasers. , 2001, 4350, 106.		1
105	Radiative properties of Nd-doped transparent glass-ceramics in the lithium aluminosilicate system. Journal of Non-Crystalline Solids, 2000, 278, 75-84.	3.1	38
106	Structural transformations of nanometer sized crystals in CoO-doped β-eucryptite-based glass-ceramics. Journal of Non-Crystalline Solids, 1999, 258, 216-222.	3.1	18
107	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
108	Structural states of Co(II) in β-eucryptite-based glass-ceramics nucleated with ZrO2. Journal of Non-Crystalline Solids, 1996, 204, 151-157.	3.1	18

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109	Mathematical modeling of glass melt heat exchange in a cylindrical induction furnace. Glass and Ceramics (English Translation of Steklo I Keramika), 1994, 51, 122-127.	0.6	0
110	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
111	Raman-scattering results on transformations in finely divided titanium dioxide. Journal of Applied Spectroscopy, 1989, 50, 593-598.	0.7	3
112	Melting optical glasses in high-frequency furnaces. Glass and Ceramics (English Translation of Steklo) Tj ETQq0 0	0 rgBT /C	overlock 10 Tf
113	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
114	Optical properties of new saturable absorbers for 1.3 - 1.6 mcm lasers. , 0, , .		0
115	Diode-pumped 1.35-micron Nd:KGd(WO/sub 4/)/sub 2/ laser passively Q-switched with cobalt-doped glass ceramics. , 0, , .		Ο
116	PbS quantum-dot-doped glass as saturable absorber for passive mode-locking of a Cr/sup 4+/:YAG laser. , 0, , .		0
117	Diode-pumped Nd:YVO/sub 4/ 1.3 μm laser passively Q-switched with the PbS-doped glass. , 0, , .		0
118	Stimulated emission from co-doped zinc-aluminosilicate glass ceramics. , 0, , .		0

119Formation and Passive Q-Switch Performance of Glass-Ceramics Containing
Co<sup>2+</sup>-Doped Spinel Nanocrystals. Advanced Materials Research, 0, 39-40, 219-224.0.319