

Thierry Cardinal

List of Publications by Year in descending order

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208
papers

5,305
citations

87723

38
h-index

106150

65
g-index

213
all docs

213
docs citations

213
times ranked

4566
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of potassium or yttrium introduction in Yb ³⁺ -doped germano-gallate glasses on the structural, luminescence properties and fiber processing. <i>Optical Materials</i> , 2022, 125, 112070.	1.7	10
2	Spatial beam reshaping and large-band nonlinear conversion in rectangular-core phosphate glass fibers. <i>Frontiers of Optoelectronics</i> , 2022, 15, 1.	1.9	1
3	Femtosecond Direct Laser Writing of Silver Clusters in Phosphate Glasses for X-ray Spatially-Resolved Dosimetry. <i>Chemosensors</i> , 2022, 10, 110.	1.8	3
4	Thermal and structural modification in transparent and magnetic gallogermanate glasses induced by Gd ₂ O ₃ . <i>Journal of Alloys and Compounds</i> , 2022, 912, 165181.	2.8	8
5	Laser Direct Writing of Silver Clusters-Based Subwavelength Periodic Structures Embedded in Mid-Infrared Gallio-Germanate Glass. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	4
6	Microscaled design of the linear and non-linear optical properties of tantalum germanate glasses by thermal poling. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10310-10319.	2.7	2
7	Fiber drawing ability and loss optimization of niobium rich borophosphate optical glass fibers. <i>Optical Materials</i> , 2022, 131, 112628.	1.7	1
8	Enhancement of mechanical properties and chemical durability of Soda-Lime silicate glasses treated by DC gas discharges. <i>Journal of the American Ceramic Society</i> , 2021, 104, 157-166.	1.9	9
9	Three-Dimensional High Spatial Localization of Efficient Resonant Energy Transfer from Laser-Assisted Precipitated Silver Clusters to Trivalent Europium Ions. <i>Crystals</i> , 2021, 11, 148.	1.0	4
10	Stack-and-Draw Applied to the Engineering of Multi-Material Fibers with Non-Cylindrical Profiles. <i>Advanced Functional Materials</i> , 2021, 31, 2011063.	7.8	10
11	Second-Order Optical Response in Electrically Polarized Sodo-Niobate Amorphous Thin Films: Particularity of Multilayer Systems. <i>Advanced Photonics Research</i> , 2021, 2, 2000171.	1.7	5
12	Microstructured SHG patterns on Sm ₂ O ₃ -doped borophosphate niobium glasses by laser-induced thermal poling. <i>Ceramics International</i> , 2021, 47, 10123-10129.	2.3	2
13	Heavy-oxide glasses with superior mechanical assets for nonlinear fiber applications in the mid-infrared. <i>Optical Materials Express</i> , 2021, 11, 1420.	1.6	14
14	Heavy metal oxide glass-ceramics containing luminescent gallium-garnets single crystals for photonic applications. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158804.	2.8	7
15	Ceramic Powder Bed Laser Sintering (CPBLS) on copper-doped hydroxyapatite: Creation of thin (5-50 μm) TiO ₂ coatings. <i>Journal of Materials Processing Technology</i> , 2021, 293, 108314.	2.3	3
16	Photosensitivity of barium germano-gallate glasses under femtosecond laser direct writing for Mid-IR applications. <i>Ceramics International</i> , 2021, 47, 34235-34241.	2.3	14
17	Chemistry Platform for the Ultrafast Continuous Synthesis of High-Quality III-V Quantum Dots. <i>Chemistry - A European Journal</i> , 2021, 27, 12965-12970.	1.7	1
18	The influence of potassium substitution for barium on the structure and property of silver-doped germano-gallate glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 566, 120889.	1.5	7

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19	Spherulitic crystallization of quartz-like GeO ₂ and correlated second harmonic generation in sodium tantalum germanate glasses. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160245.	2.8	2
20	Powder bed laser sintering of copper-doped hydroxyapatite: Numerical and experimental parametric analysis. <i>Additive Manufacturing</i> , 2021, 46, 102044.	1.7	2
21	Glass forming regions, structure and properties of lanthanum barium germanate and gallate glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121064.	1.5	21
22	Transparent Glasses and Glass-Ceramics in the Ternary System TeO ₂ -Nb ₂ O ₅ -PbF ₂ . <i>Materials</i> , 2021, 14, 317.	1.3	13
23	Silver centers luminescence in phosphate glasses subjected to X-rays or combined X-rays and femtosecond laser exposure. <i>International Journal of Applied Glass Science</i> , 2020, 11, 15-26.	1.0	9
24	Nano-particles (NPs) of WO ₃ -type compounds by polyol route with enhanced electrochromic properties. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153690.	2.8	28
25	Direct 3D-printing of phosphate glass by fused deposition modeling. <i>Materials and Design</i> , 2020, 194, 108957.	3.3	31
26	The effect of the sodium content on the structure and the optical properties of thermally poled sodium and niobium borophosphate glasses. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	16
27	Thermochromoluminescent Mn ²⁺ -Doped oxides as thermal sensor for selective laser sintering. <i>Optical Materials</i> , 2020, 110, 110542.	1.7	3
28	Patterning of the Surface Electrical Potential on Chalcogenide Glasses by a Thermoelectrical Imprinting Process. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23150-23157.	1.5	14
29	Radiation-Induced Defects and Effects in Germanate and Tellurite Glasses. <i>Materials</i> , 2020, 13, 3846.	1.3	17
30	Electrically Micro-Polarized Amorphous Sodo-Niobate Film Competing with Crystalline Lithium Niobate Second-Order Optical Response. <i>Advanced Optical Materials</i> , 2020, 8, 2000202.	3.6	14
31	Investigation on the coloring and bleaching processes of WO ₃ photochromic thin films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9410-9421.	2.7	34
32	In-situ fiber drawing induced synthesis of silver-tellurium semiconductor compounds. <i>Journal of Non-Crystalline Solids</i> , 2020, 543, 120159.	1.5	1
33	Thermal and structural modification in transparent and magnetic germanoborate glasses induced by Gd ₂ O ₃ . <i>Ceramics International</i> , 2020, 46, 22079-22089.	2.3	22
34	Optical Emission Detector Based on Plasma Discharge Generation at the Tip of a Multimaterial Fiber. <i>Sensors</i> , 2020, 20, 2353.	2.1	7
35	Elaboration of multimaterials optical fibers combining tellurite glass and metal for electro-optical applications. , 2020, , .		2
36	Femtosecond laser writing of near-surface waveguides for refractive-index sensing. , 2020, , .		0

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37	Second Harmonic Generation in Sodium Tantalum Germanate Glasses by Thermal Poling. Journal of Physical Chemistry C, 2019, 123, 26528-26535.	1.5	16
38	Nanoparticles (NPs) of WO _{3-x} Compounds by Polyol Route with Enhanced Photochromic Properties. Nanomaterials, 2019, 9, 1555.	1.9	26
39	Structure-properties relationship study in niobium oxide containing GaO _{3/2} -LaO _{3/2} -KO _{1/2} gallate glasses. Materials Research Bulletin, 2019, 112, 124-131.	2.7	8
40	Photoluminescence of Ag ⁺ and Ag ^{n+m} in co-doped Pr ³⁺ /Yb ³⁺ fluorophosphate glasses: tuning visible emission and energy transfer to Pr ³⁺ /Yb ³⁺ ions through excitation in different silver species. Journal of Materials Science: Materials in Electronics, 2019, 30, 16878-16885.	1.1	6
41	Femtosecond laser micro-patterning of optical properties and functionalities in novel photosensitive silver-containing fluorophosphate glasses. Journal of Non-Crystalline Solids, 2019, 517, 51-56.	1.5	10
42	Properties, structure and crystallization study of germano-gallate glasses in the Ga ₂ O ₃ -GeO ₂ -BaO-K ₂ O system. Journal of Non-Crystalline Solids, 2019, 514, 98-107.	1.5	26
43	Towards Femtosecond Laser Writing of Non-Conventional Waveguide Bragg Gratings in Silver-Containing Glasses. , 2019, , .		0
44	Investigation of the Na ₂ O/Ag ₂ O ratio on the synthesis conditions and properties of the 80TeO ₂ â€“(10â€“x)Na ₂ Oâ€“xAg ₂ O glasses. Journal of Non-Crystalline Solids, 2019, 525, 119691.	1.5	6
45	Laser Writing of 2D Nanostructures in Silver-Doped Phosphate Glass. , 2019, , .		0
46	Structure and Properties of Gallium-Rich Sodium Germano-Gallate Glasses. Journal of Physical Chemistry C, 2019, 123, 1370-1378.	1.5	28
47	Nonlinear Optical Properties of Glass. Springer Handbooks, 2019, , 193-225.	0.3	11
48	Ultrashort laser induced spatial redistribution of silver species and nano-patterning of etching selectivity in silver-containing glasses. Optics Express, 2019, 27, 13675.	1.7	5
49	Extended germano-gallate fiber drawing domain: from germanates to gallates optical fibers. Optical Materials Express, 2019, 9, 2437.	1.6	27
50	Comparative study between the standard type I and the type A femtosecond laser induced refractive index change in silver containing glasses. Optical Materials Express, 2019, 9, 2640.	1.6	18
51	Tellurite-Based Core-Clad Dual-Electrodes Composites Fibers. , 2019, , .		1
52	Structural influence on the femtosecond laser ability to create fluorescent patterns in silver-containing sodium-gallium phosphate glasses. Optical Materials Express, 2018, 8, 3748.	1.6	16
53	On the femtosecond laser-induced photochemistry in silver-containing oxide glasses: mechanisms, related optical and physico-chemical properties, and technological applications. Advanced Optical Technologies, 2018, 7, 291-309.	0.9	41
54	DLW of silver containing phosphate glass and fiber. , 2018, , .		0

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55	Second harmonic generation in germanotellurite bulk glass-ceramics. Journal of the American Ceramic Society, 2017, 100, 1412-1423.	1.9	6
56	Femtosecond laser writing of new type of waveguides in silver containing glasses (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70		
57	Effect of partial crystallization on the structural and Er 3+ luminescence properties of phosphate-based glasses. Optical Materials, 2017, 64, 230-238.	1.7	5
58	Direct laser writing of a new type of waveguides in silver containing glasses. Scientific Reports, 2017, 7, 11124.	1.6	46
59	Mixture experimental design applied to gallium-rich GaO ₃ /2-GeO ₂ -NaO ₁ /2 glasses. Journal of Non-Crystalline Solids, 2017, 455, 83-89.	1.5	16
60	Tellurite-based core-clad dual-electrodes composite fibers. Optical Materials Express, 2017, 7, 1503.	1.6	15
61	Laser writing of nonlinear optical properties in silver-doped phosphate glass. Optics Letters, 2017, 42, 1688.	1.7	9
62	Sub-diffraction-limited fluorescent patterns by tightly focusing polarized femtosecond vortex beams in a silver-containing glass. Optics Express, 2017, 25, 10565.	1.7	10
63	Nanoparticle generation inside Ag-doped LBG glass by femtosecond laser irradiation. Optical Materials Express, 2016, 6, 743.	1.6	10
64	Continuous supercritical route for quantum-confined GaN nanoparticles. Reaction Chemistry and Engineering, 2016, 1, 151-155.	1.9	27
65	Nanoscale self-arranged layers of silver nanoparticles in glass. Chemical Physics Letters, 2016, 652, 235-238.	1.2	6
66	Structural characterization and calorimetric dissolution behavior of Na ₂ O CuO P ₂ O ₅ glasses. Journal of Non-Crystalline Solids, 2016, 452, 144-152.	1.5	16
67	Micro-structuring the surface reactivity of a borosilicate glass via thermal poling. Chemical Physics Letters, 2016, 664, 10-15.	1.2	22
68	Photowritable Silver-Containing Phosphate Glass Ribbon-Fibers. Advanced Optical Materials, 2016, 4, 162-168.	3.6	22
69	Raman Gain in Tellurite Glass: How Combination of IR, Raman, Hyper-Raman and Hyper-Rayleigh Brings New Understandings. Journal of Physical Chemistry C, 2016, 120, 23144-23151.	1.5	5
70	Modeling of cluster organization in metal-doped oxide glasses irradiated by a train of femtosecond laser pulses. Physical Review A, 2016, 93, .	1.0	20
71	Accurate Second Harmonic Generation Microimprinting in Glassy Oxide Materials. Advanced Optical Materials, 2016, 4, 929-935.	3.6	24
72	Spatial and geometry control of second order optical properties in inorganic amorphous materials. , 2016, , .		1

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73	Femtosecond laser patterning of plasmonic and nonlinear optical properties in silver-doped. , 2015, , .		0
74	Large scale micro-structured optical second harmonic generation response imprinted on glass surface by thermal poling. Journal of Applied Physics, 2015, 118, .	1.1	18
75	Femtosecond laser structuring of silver-containing glass: Silver redistribution, selective etching, and surface topology engineering. Journal of Applied Physics, 2015, 118, .	1.1	16
76	Patterning linear and nonlinear optical properties of photosensitive glasses by femtosecond structured light. Optics Letters, 2015, 40, 201.	1.7	19
77	Erbium-doped borosilicate glasses containing various amounts of P2O5 and Al2O3: Influence of the silica content on the structure and thermal, physical, optical and luminescence properties. Materials Research Bulletin, 2015, 70, 47-54.	2.7	6
78	Femtosecond laser-induced nanogratings formation assisted by silver ions in a gallophosphate glass and correlated optical properties. , 2015, , .		1
79	Dual-color control and inhibition of direct laser writing in silver-containing phosphate glasses. Optics Letters, 2015, 40, 4134.	1.7	14
80	Surface Reactivity Control of a Borosilicate Glass Using Thermal Poling. Journal of Physical Chemistry C, 2015, 119, 22999-23007.	1.5	36
81	Influence of P2O5 and Al2O3 content on the structure of erbium-doped borosilicate glasses and on their physical, thermal, optical and luminescence properties. Materials Research Bulletin, 2015, 63, 41-50.	2.7	18
82	Femtosecond single-beam direct laser poling of silver-doped oxide glasses : correlation between fluorescence, metallic nanoparticles precipitation and effective second-order nonlinear optical properties. , 2014, , .		0
83	Enhancement of nanograting formation assisted by silver ions in a sodium gallophosphate glass. Optics Letters, 2014, 39, 5491.	1.7	13
84	Femtosecond laser processing of silver-containing glass with optical vortex beams. Proceedings of SPIE, 2014, , .	0.8	0
85	Tunable Nanostructuring of Highly Transparent Zinc Gallogermanate Glasses and Glassâ€Ceramics. Advanced Optical Materials, 2014, 2, 364-372.	3.6	70
86	Influence of Hydroxyl Group on <sc>IR</sc> Transparency of Telluriteâ€Based Glasses. International Journal of Applied Glass Science, 2014, 5, 178-184.	1.0	17
87	Properties and structural investigation of gallophosphate glasses by ⁷¹Ga and ³¹P nuclear magnetic resonance and vibrational spectroscopies. Journal of Materials Chemistry C, 2014, 2, 7906-7917.	2.7	20
88	Femtosecond single-beam direct laser poling of stable and efficient second-order nonlinear optical properties in glass. Journal of Applied Physics, 2014, 115, .	1.1	27
89	Threeâ€Dimensional Silver Nanoparticle Formation Using Femtosecond Laser Irradiation in Phosphate Glasses: Analogy with Photography. Advanced Functional Materials, 2014, 24, 5824-5832.	7.8	79
90	Trapped Molecular and Ionic Species in Poled Borosilicate Glasses: Toward a Rationalized Description of Thermal Poling in Glasses. Journal of Physical Chemistry C, 2014, 118, 3716-3723.	1.5	33

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91	Optical properties of tellurite glasses elaborated within the $\text{TeO}_2\text{-Ti}_2\text{O}_5\text{-Ag}_2\text{O}$ and $\text{TeO}_2\text{-ZnO-Ag}_2\text{O}$ ternary systems. <i>Journal of Alloys and Compounds</i> , 2013, 561, 151-160.	2.8	49
92	Thermal properties and surface reactivity in simulated body fluid of new strontium ion-containing phosphate glasses. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1407-1416.	1.7	39
93	Formation and thermo-assisted stabilization of luminescent silver clusters in photosensitive glasses. <i>Materials Research Bulletin</i> , 2013, 48, 1637-1644.	2.7	36
94	Effect of the glass composition on the chemical durability of zinc-phosphate-based glasses in aqueous solutions. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 121-127.	1.9	35
95	Durability study of a fluorescent optical memory in glass studied by luminescence spectroscopy. <i>Microelectronics Reliability</i> , 2013, 53, 1514-1518.	0.9	11
96	Raman and fluorescence correlative microscopy in polarized light to probe local femtosecond laser-induced amorphization of the doped monoclinic crystal LYB:Eu. <i>Chemical Physics Letters</i> , 2013, 578, 70-75.	1.2	1
97	Luminescence properties of ZrO_2 mesoporous thin films doped with Eu^{3+} and Agn. <i>Microporous and Mesoporous Materials</i> , 2013, 170, 123-130.	2.2	14
98	Luminescence properties of micrometric structures induced by direct laser writing in silver containing phosphate glass. <i>Journal of Non-Crystalline Solids</i> , 2013, 377, 142-145.	1.5	8
99	Influence of niobium and titanium introduction on optical and physical properties of silicate glasses. <i>Materials Research Bulletin</i> , 2013, 48, 1376-1380.	2.7	19
100	Linear magnetoresistance in topological insulator thin films: Quantum phase coherence effects at high temperatures. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	136
101	Two-photon excited fluorescence in the LYB:Eu monoclinic crystal: towards a new scheme of single-beam dual-voxel direct laser writing in crystals. <i>Optics Express</i> , 2013, 21, 822.	1.7	5
102	Examination of femtosecond laser matter interaction in multipulse regime for surface nanopatterning of vitreous substrates. <i>Optics Express</i> , 2013, 21, 29090.	1.7	4
103	Fluorescence and second-harmonic generation correlative microscopy to probe space charge separation and silver cluster stabilization during direct laser writing in a tailored silver-containing glass. <i>Optical Materials Express</i> , 2013, 3, 1855.	1.6	26
104	Hyper-Raman and Raman scattering in paratellurite TeO_2 . <i>Journal of Raman Spectroscopy</i> , 2013, 44, 739-745.	1.2	28
105	Direct Laser-Writing in silver-zinc doped phosphate glasses: correlated linear and nonlinear optical properties. <i>MATEC Web of Conferences</i> , 2013, 8, 02001.	0.1	0
106	Direct laser writing of efficient effective second order nonlinear optical properties in a tailored silver-doped phosphate glass. <i>MATEC Web of Conferences</i> , 2013, 8, 02006.	0.1	1
107	Two-photon excited fluorescence in the LYB:Eu monoclinic crystal: new scheme for single-beam dual-voxel direct laser writing in crystals. , 2013, , .		0
108	Raman and fluorescence correlative microscopy in polarized light to probe local femtosecond laser-induced amorphization of the doped monoclinic crystal LYB:Eu. <i>MATEC Web of Conferences</i> , 2013, 8, 04007.	0.1	0

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109	Femtosecond Generation of Nano-Fibers. MATEC Web of Conferences, 2013, 8, 03006.	0.1	0
110	Femtosecond direct laser writing of linear and nonlinear optical properties in photosensitive glass. , 2013, , .		0
111	Feature issue introduction: Progress in Ultrafast Laser Modifications of Materials. Optical Materials Express, 2013, 3, 1789.	1.6	0
112	Modified electrical transport probe design for standard magnetometer. Review of Scientific Instruments, 2012, 83, 033904.	0.6	13
113	Photosensitivity and second harmonic generation in chalcogenide arsenic sulfide poled glasses. Optical Materials Express, 2012, 2, 45.	1.6	12
114	Three-dimensional direct femtosecond laser writing of second-order nonlinearities in glass. Optics Letters, 2012, 37, 1029.	1.7	43
115	Evolution of glass properties during a substitution of S by Se in Ge ₂₈ Sb ₁₂ S ₆₀ Se _x glass network. Journal of Non-Crystalline Solids, 2012, 358, 1740-1745.	1.5	14
116	Highly Transparent BaAl ₄ O ₇ Polycrystalline Ceramic Obtained by Full Crystallization from Glass. Advanced Materials, 2012, 24, 5570-5575.	11.1	94
117	Thermal Poling of Optical Glasses: Mechanisms and Second-Order Optical Properties. International Journal of Applied Glass Science, 2012, 3, 309-320.	1.0	72
118	Impact of tellurite-based glass structure on Raman gain. Chemical Physics Letters, 2012, 554, 123-127.	1.2	31
119	Thermally poled oxide glasses: correlation between polarization mechanisms and non linear optical properties. , 2012, , .		1
120	Femtosecond direct laser writing of linear and nonlinear optical properties in photosensitive glass. , 2012, , .		0
121	Direct Laser-Writing in a silver-zinc doped phosphate glass: Spatial discrimination of aggregates - Formation mechanism. , 2012, , .		0
122	Design of silver activated phosphate and borophosphate based glasses for multi-scale structured optical materials. , 2012, , .		0
123	Emission-photoactivity cross-processing of mesoporous interfacial charge transfer in Eu ³⁺ doped titania. Physical Chemistry Chemical Physics, 2011, 13, 11878.	1.3	18
124	Introduction: Femtosecond Direct Laser Writing and Structuring of Materials (FDLW) feature. Optical Materials Express, 2011, 1, 996.	1.6	0
125	New step towards the future perennial high capacity optical recording medium. , 2011, , .		0
126	Direct laser writing of nonlinear properties in photosensitive glass. , 2011, , .		0

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127	Synthesis of Exciton Luminescent ZnO Nanocrystals Using Continuous Supercritical Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12071-12074.	7.2	63
128	Large coercivity in nanostructured rare-earth-free Mn _x Ga films. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	71
129	Silver Clusters Embedded in Glass as a Perennial High Capacity Optical Recording Medium. <i>Advanced Materials</i> , 2010, 22, 5282-5286.	11.1	200
130	Amorphous Tm ³⁺ doped sulfide thin films fabricated by sputtering. <i>Optical Materials</i> , 2010, 33, 220-226.	1.7	19
131	Synthesis and characterization of Eu ³⁺ , Ti ⁴⁺ @ ZnO organosols and nanocrystalline c-ZnTiO ₃ thin films aiming at high transparency and luminescence. <i>Science and Technology of Advanced Materials</i> , 2010, 11, 044401.	2.8	24
132	Low-Frequency Excitations in 20Nb[₂]O[₅ ~]80NaPO[₃] Glass for Raman Gain Applications. , 2010, , .		0
133	How Does Thermal Poling Affect the Structure of Soda-Lime Glass?. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12754-12759.	1.5	117
134	3D Patterning at the Nanoscale of Fluorescent Emitters in Glass. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15584-15588.	1.5	76
135	Femtosecond laser structuring and optical properties of a silver and zinc phosphate glass. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2658-2665.	1.5	43
136	Tailoring of the luminescence properties of a silver and zinc phosphate glass at the nanoscale. , 2010, , .		0
137	Second-harmonic generation by direct-laser-induced-poling in a femto-photo-luminescent glass. , 2010, , .		0
138	Development of photosensitive glasses for direct laser writing. , 2010, , .		0
139	Second-harmonic generation of thermally poled silver doped sodo-borophosphate glasses. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	2
140	Processing and characterization of new passive and active oxysulfide glasses in the Ge-Ge-Ca-Sb-S-O system. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2646-2655.	1.4	9
141	Sol-gel technique for the generation of europium-doped mesoporous and dense thin films: A luminescent study. <i>Journal of Luminescence</i> , 2009, 129, 1641-1645.	1.5	13
142	Luminescence properties of silver zinc phosphate glasses following different irradiations. <i>Journal of Luminescence</i> , 2009, 129, 1514-1518.	1.5	59
143	Effect of silver on phase separation and crystallization of niobium oxide containing glasses. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1351-1358.	1.4	14
144	Evolution of the linear and nonlinear optical properties of femtosecond laser exposed fused silica. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2077.	0.9	4

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145	Beat the diffraction limit in 3D direct laser writing in photosensitive glass. Optics Express, 2009, 17, 10304.	1.7	86
146	Femtosecond laser induced micro-structured silver containing glass as an engineered nonlinear optical material. , 2009, , .		0
147	Second harmonic generation by electro-poling in femtosecond laser induced micro-structured silver containing glass. , 2009, , .		0
148	Processing and characterization of new oxysulfide glasses in the Geâ€“Gaâ€“Asâ€“Sâ€“O system. Journal of Solid State Chemistry, 2008, 181, 2869-2876.	1.4	9
149	Europiumâ€“Doped Mesoporous Titania Thin Films: Rareâ€“Earth Locations and Emission Fluctuations under Illumination. ChemPhysChem, 2008, 9, 2077-2084.	1.0	26
150	Raman gain of selected tellurite glasses for IR fibre lasers calculated from spontaneous scattering spectra. Optical Materials, 2008, 30, 946-951.	1.7	46
151	Low-frequency vibrational excitations in a niobiumâ€“phosphate glass for Raman gain applications. Vibrational Spectroscopy, 2008, 48, 12-15.	1.2	12
152	Preparation and characterization of germanium oxysulfide glassy films for optics. Materials Research Bulletin, 2008, 43, 1179-1187.	2.7	17
153	Structure and nonlinear optical properties of sodiumâ€“niobium phosphate glasses. Journal of Non-Crystalline Solids, 2008, 354, 3540-3547.	1.5	77
154	Three-dimensional optical data storage using third-harmonic generation in silver zinc phosphate glass. Optics Letters, 2008, 33, 360.	1.7	102
155	Lithium ion as growth-controlling agent of ZnO nanoparticles prepared by organometallic synthesis. New Journal of Chemistry, 2008, 32, 662-669.	1.4	22
156	3D optical data storage using third-harmonic generation in silver zinc phosphate glass. , 2008, , .		0
157	Second-harmonic generation in sodium and niobium borophosphate glasses after poling under field-assisted silver ions anodic injection. Journal of Applied Physics, 2008, 104, 053114.	1.1	6
158	Plasma properties during the formation of “nanograting” structures inside fused silica. , 2008, , .		0
159	Silver clusters as probes for femtosecond laser - glass interaction. , 2008, , .		0
160	Photodarkening and Photobleaching of an Ytterbium-doped Silica Double-clad LMA fiber. , 2007, , .		0
161	Strong nuclear contribution to the optical Kerr effect in niobium oxide containing glasses. , 2007, , .		1
162	Temporal evolution of photodarkening and successive photobleaching of an Ytterbium-doped silica double-clad LMA fiber. , 2007, , .		1

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163	Strong nuclear contribution to the optical Kerr effect in niobium oxide containing glasses. , 2007, , .		0
164	Strong nuclear contribution to the optical Kerr effect in niobium oxide containing glasses. Physical Review B, 2007, 75, .	1.1	13
165	Photodarkening and photobleaching of an ytterbium-doped silica double-clad LMA fiber. Optics Express, 2007, 15, 1606.	1.7	138
166	Influence of modifier oxides on the structural and optical properties of binary TeO ₂ glasses. Journal of Applied Physics, 2007, 101, 023526.	1.1	20
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168	Coherent Acoustic Vibration of Metal Nanoshells. Nano Letters, 2007, 7, 138-142.	4.5	49
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