

Andrey Lipovskii

List of Publications by Year in descending order

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284
papers

3,802
citations

168829

31
h-index

232693

48
g-index

290
all docs

290
docs citations

290
times ranked

2945
citing authors

#	ARTICLE	IF	CITATIONS
1	Power Spectral Density Analysis for Optimizing SERS Structures. <i>Sensors</i> , 2022, 22, 593.	2.1	6
2	Peculiar electric properties of polarized layer in alkaline silicate glasses. <i>Journal of the American Ceramic Society</i> , 2022, 105, 3418-3427.	1.9	4
3	Control of the morphology of silver dendrites formed by glass electrolysis. <i>Journal of Physics: Conference Series</i> , 2022, 2227, 012024.	0.3	1
4	Giant Enhancement of Optical Second Harmonic in Poled Glasses by Cold Repoling. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5932-5937.	2.1	4
5	In-situ study of the formation of sodium-niobate-silicate glass-ceramics with dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2021, 556, 120553.	1.5	3
6	Modification of soda-lime silicate glass under corona poling in air and nitrogen atmosphere. <i>Journal of Non-Crystalline Solids</i> , 2021, 554, 120599.	1.5	2
7	Rapid technique for the determination of the refractive index of experimental glasses for graded-index optics. <i>Journal of Optical Technology (A Translation of Opticheski Zhurnal)</i> , 2021, 88, 151.	0.2	2
8	Dendritic structures by glass electrolysis: Studies and SERS capability. <i>Current Applied Physics</i> , 2021, 24, 54-59.	1.1	6
9	SEM-visualization of a spatial charge and a giant potassium peak in a corona-poled glass. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 235702.	0.7	6
10	Molybdenum/tungsten disulfide solid solutions nanoparticles formation by aerosol-assisted CVD. <i>Solid State Sciences</i> , 2021, 115, 106583.	1.5	4
11	Controlled metallization of ion-exchanged glasses by thermal poling. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 505001.	0.7	1
12	Depth of glass poling - via optical transmission spectra. <i>Optik</i> , 2021, 244, 167600.	1.4	2
13	Crystallization of K ₂ O-TiO ₂ -SiO ₂ glass below glass transition by poling. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121081.	1.5	6
14	Visualization of Spatial Charge in Thermally Poled Glasses via Nanoparticles Formation. <i>Nanomaterials</i> , 2021, 11, 2973.	1.9	1
15	Stable in Biocompatible Buffers Silver Nanoisland Films for SERS. <i>Biosensors</i> , 2021, 11, 448.	2.3	4
16	Influence of dielectric overlayers on self-heating of a microdisk laser. <i>Journal of Physics: Conference Series</i> , 2021, 2086, 012100.	0.3	0
17	Determining the Thickness of the Poled Region in a Glass. <i>Technical Physics Letters</i> , 2021, 47, 237-239.	0.2	0
18	Peculiarities of ion-exchange in poled glasses. <i>Journal of Physics: Conference Series</i> , 2021, 2086, 012152.	0.3	3

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19	Numerical simulation of optical coupling between a microring resonator and a directly connected straight waveguide. Journal of Physics: Conference Series, 2021, 2086, 012162.	0.3	0
20	Laser-induced optical nonlinearity in a Li-rich glass. Journal of Physics: Conference Series, 2021, 2086, 012024.	0.3	0
21	SERS-Active Pattern in Silver-Ion-Exchanged Glass Drawn by Infrared Nanosecond Laser. Nanomaterials, 2020, 10, 1849.	1.9	7
22	Nanosecond Laser Surface Silver Metallization of Wet Ion Exchanged Glasses. Journal of Physics: Conference Series, 2020, 1461, 012136.	0.3	2
23	Mechanism of Thermal Charge Relaxation in Poled Silicate Glasses in a Wide Temperature Range (From) Tj ETQq1 1,0,784314,rgBT /O	1.2	5
24	Cathodoluminescence of a Corona-poled Soda-lime Silicate Glass. , 2020, , .		0
25	CW laser-initiated formation of nano-Si crystals in glass-metal nanostructures. Journal of the American Ceramic Society, 2020, 103, 4625-4631.	1.9	0
26	Control of soda-lime glass surface crystallization with thermal poling. Journal of Non-Crystalline Solids, 2020, 533, 119899.	1.5	16
27	Thermal poling of glasses to fabricate masks for ion exchange. Journal of Physics: Conference Series, 2020, 1695, 012107.	0.3	6
28	Strip-loaded horizontal slot waveguide for routing microdisk laser emission. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1878.	0.9	3
29	To the issue of the second harmonic generation in poled silicate glasses. Journal of Physics: Conference Series, 2020, 1695, 012131.	0.3	2
30	Dielectric surrounding bleaches the optical bond between a microdisk resonator and a straight optical waveguide. Journal of Physics: Conference Series, 2020, 1695, 012128.	0.3	1
31	Formation of silver nanoparticles in ion-exchanged glass with nanosecond laser irradiation. Journal of Physics: Conference Series, 2020, 1695, 012121.	0.3	1
32	Formation and SERS efficiency of periodic metal-dielectric nanostructures. Journal of Physics: Conference Series, 2020, 1695, 012108.	0.3	0
33	Modification of glass durability in reactive ion etching with thermal poling and ion exchange. Journal of Physics: Conference Series, 2020, 1695, 012186.	0.3	0
34	About concentration profiles in thermally poled glasses. AIP Conference Proceedings, 2020, , .	0.3	0
35	Outcoupling of microdisk laser emission by strip-loaded slot waveguide. , 2020, , .		0
36	Self-assembled silver nanoparticles in glass microstructured by poling for SERS application. Current Applied Physics, 2019, 19, 1088-1095.	1.1	8

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37	Spatial charge relaxation in glasses poled in the air and argon atmospheres. Journal of Physics: Conference Series, 2019, 1326, 012013.	0.3	0
38	Response to comments on "How to reveal the correct elemental concentration profiles in poled multicomponent silicate glasses from the data of secondary ion mass spectrometry (SIMS)". Journal of Non-Crystalline Solids, 2019, 523, 119553.	1.5	1
39	Coupling of plasmon and grating resonances for SERS enhancement. Journal of Physics: Conference Series, 2019, 1410, 012185.	0.3	2
40	Second harmonic generation and charge relaxation of poled glasses. Journal of Physics: Conference Series, 2019, 1410, 012148.	0.3	3
41	Kinetics of ion-exchange-induced vitrification of glass-ceramics. Journal of the American Ceramic Society, 2019, 102, 3426-3431.	1.9	3
42	Modifications of poled silicate glasses under heat treatment. Journal of Non-Crystalline Solids, 2019, 503-504, 279-283.	1.5	23
43	How to reveal the correct elemental concentration profiles in poled multicomponent silicate glasses from the data of secondary ion mass spectrometry (SIMS). Journal of Non-Crystalline Solids, 2019, 503-504, 397-399.	1.5	12
44	Relief micro- and nanostructures by the reactive ion and chemical etching of poled glasses. Optical Materials Express, 2019, 9, 3059.	1.6	9
45	Lasing in III-V microdisk core-TiO ₂ shell lasers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2285.	0.9	4
46	Hot spot statistics and SERS performance of self-assembled silver nanoisland films. Optical Materials Express, 2019, 9, 4090.	1.6	10
47	On the origin of the low-temperature band in depolarization current spectra of poled multicomponent silicate glasses. Applied Physics Letters, 2018, 112, 151603.	1.5	2
48	Elevated temperature lasing from injection microdisk lasers on silicon. Laser Physics Letters, 2018, 15, 015802.	0.6	14
49	Nonresonant Local Fields Enhance Second-Harmonic Generation from Metal Nanoislands with Dielectric Cover. Physical Review Letters, 2018, 120, 113902.	2.9	19
50	2D-structuring of glasses via thermal poling: A short review. International Journal of Applied Glass Science, 2018, 9, 24-28.	1.0	26
51	Self-Assembled Silver-Gold Nanoisland Films on Glass for SERS Applications. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700226.	1.2	16
52	Study of p-type contact topography influence on characteristics of microdisk and microring lasers. Journal of Physics: Conference Series, 2018, 1124, 041012.	0.3	3
53	Room temperature lasing from microdisk laser in aqueous medium. Journal of Physics: Conference Series, 2018, 1124, 051007.	0.3	8
54	RIE for structuring E-field processed glasses. Journal of Physics: Conference Series, 2018, 1124, 051059.	0.3	0

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55	Four-step fabrication of SERS-active microfluidic channels. Journal of Physics: Conference Series, 2018, 1124, 051020.	0.3	1
56	Study of charge relaxation in poled silicate glasses. Journal of Physics: Conference Series, 2018, 1124, 051026.	0.3	2
57	Dielectric surrounding decimates eigenmodes of microdisk optical resonators. Journal of Physics: Conference Series, 2018, 1124, 051031.	0.3	3
58	Influence of coating layers on characteristics of microdisk lasers with InAs/InGaAs quantum dots active region. Journal of Physics: Conference Series, 2018, 1124, 041020.	0.3	0
59	Second harmonic generation by metal core - dielectric shell spherical nanoparticles: spatial vs. plasmon resonances. Journal of Physics: Conference Series, 2018, 1124, 051028.	0.3	0
60	Enhanced light outcoupling in microdisk lasers via Si spherical nanoantennas. Journal of Applied Physics, 2018, 124, .	1.1	17
61	Lasing in compact injection microdisks with InAs/InGaAs quantum dots. , 2018, , .		0
62	The remarkable transformation of nanoripples in glass-metal nanocomposite. AIP Advances, 2018, 8, 065110.	0.6	0
63	Volume relaxation of poled glasses: Surface relief enhancement. Journal of Non-Crystalline Solids, 2018, 499, 360-362.	1.5	10
64	Understanding the Second-Harmonic Generation Enhancement and Behavior in Metal Coreâ€“Dielectric Shell Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 15635-15645.	1.5	17
65	Non-resonant enhancement of second-harmonic generation from metal nanoislands coated with dielectric layers. , 2018, , .		0
66	Resonant properties of coupled silver hemispheroids. Journal of Nanophotonics, 2017, 11, 032503.	0.4	1
67	3.5-Î¼m radius race-track microlasers operating at room temperature with 1.3-Î¼m quantum dot active region. Journal of Applied Physics, 2017, 121, 043104.	1.1	6
68	Light Outcoupling from Quantum Dot-Based Microdisk Laser via Plasmonic Nanoantenna. ACS Photonics, 2017, 4, 275-281.	3.2	39
69	Single-mode channel optical waveguides formed by the glass poling. Optik, 2017, 137, 203-208.	1.4	6
70	Tuning Plasmonic Properties of Truncated Gold Nanospheres by Coating. Plasmonics, 2017, 12, 1903-1910.	1.8	9
71	Is frozen space charge responsible for SHG in poled silicate glasses only?. Journal of Non-Crystalline Solids, 2017, 458, 118-120.	1.5	6
72	Mechanisms and Peculiarities of Electric Field Imprinting in Glasses. Journal of the Electrochemical Society, 2017, 164, E385-E390.	1.3	13

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73	Plasma-etching of 2D-poled glasses: A route to dry lithography. Applied Physics Letters, 2017, 111, .	1.5	15
74	Low-temperature Atmospheric Pressure Plasma-enhanced CVD of Nanocomposite Coatings of Molybdenum Disulfide (Filler)–Silicon Oxide (Matrix). Advanced Materials Interfaces, 2017, 4, 1700241.	1.9	14
75	Numerical simulation of eigenmodes of ring and race-track optical microresonators. Journal of Physics: Conference Series, 2017, 917, 062040.	0.3	4
76	Raman enhancement by individual silver hemispheroids. Applied Surface Science, 2017, 397, 119-124.	3.1	9
77	Plasmonic nanoantenna for enhancement of vertical emission from whispering gallery mode laser. , 2017, , .		0
78	Near-field mapping of three-particle plasmonic structures. Journal of Physics: Conference Series, 2017, 917, 062012.	0.3	0
79	Electrically pumped InGaAs/GaAs quantum well microdisk lasers directly grown on Si(100) with Ge/GaAs buffer. Optics Express, 2017, 25, 16754.	1.7	13
80	Heat-sink free CW operation of injection microdisk lasers grown on Si substrate with emission wavelength beyond 1300 nm. Optics Letters, 2017, 42, 3319.	1.7	40
81	Dark-field spectroscopy of plasmon resonance in metal nanoislands: effect of shape and light polarization. Journal of Physics: Conference Series, 2016, 769, 012040.	0.3	1
82	High-temperature lasing in diode microdisk lasers with InAs/InGaAs quantum dots. Journal of Physics: Conference Series, 2016, 769, 012056.	0.3	2
83	Micro-Raman Spectroscopy Study of Glass-Ceramics with Gradient of Volume Fraction of Crystalline Phase. Journal of the American Ceramic Society, 2016, 99, 2558-2560.	1.9	4
84	Plasmonic properties of metal nanoislands: surface integral equations approach. Journal of Physics: Conference Series, 2016, 741, 012120.	0.3	0
85	Compact microdisk cavity laser with GaInNAs/GaAs quantum well. Journal of Physics: Conference Series, 2016, 741, 012110.	0.3	0
86	Microdisk lasers based on GaInNAs(Sb)/GaAs(N) quantum wells. Journal of Applied Physics, 2016, 120, .	1.1	7
87	Plasmonic properties of metal nanoislands: Practical guide. Journal of Applied Physics, 2016, 119, .	1.1	5
88	Self-organized growth of small arrays of metal nanoislands on the surface of poled ion-exchange glasses. Technical Physics Letters, 2016, 42, 93-95.	0.2	3
89	Nanoscale self-arranged layers of silver nanoparticles in glass. Chemical Physics Letters, 2016, 652, 235-238.	1.2	6
90	Second harmonic generation from hemispherical metal nanoparticle covered by dielectric layer. Journal of Nonlinear Optical Physics and Materials, 2016, 25, 1650001.	1.1	6

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91	Microdisk Injection Lasers for the 1.27- $\hat{1}$ / ₄ m Spectral Range. <i>Semiconductors</i> , 2016, 50, 390-393.	0.2	13
92	Effective diffraction gratings via acidic etching of thermally poled glass. <i>Optical Materials</i> , 2016, 62, 250-254.	1.7	32
93	Giant Discharge Current in Thermally Poled Silicate Glasses. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23129-23135.	1.5	11
94	Laser characteristics of an injection microdisk with quantum dots and its free-space outcoupling efficiency. <i>Semiconductors</i> , 2016, 50, 1408-1411.	0.2	5
95	Electrically pumped microdisk lasers with semitransparent conducting pyrolytic carbon film. <i>Journal of Physics: Conference Series</i> , 2016, 741, 012076.	0.3	0
96	Pendeo-epitaxy of stress-free AlN layer on a profiled SiC/Si substrate. <i>Thin Solid Films</i> , 2016, 606, 74-79.	0.8	10
97	Control of Glass-Metal Composite Optical Nonlinearity via Nanostructuring. <i>Plasmonics</i> , 2016, 11, 581-585.	1.8	3
98	2D-patterning of self-assembled silver nanoisland films. <i>Faraday Discussions</i> , 2016, 186, 107-121.	1.6	14
99	Revealing the nanoparticles aspect ratio in the glass-metal nanocomposites irradiated with femtosecond laser. <i>Scientific Reports</i> , 2015, 5, 13746.	1.6	8
100	Modes of silver nanoisland film growth on the surface of ion-exchanged glass. <i>Journal of Physics: Conference Series</i> , 2015, 643, 012125.	0.3	1
101	Control of surface plasmon resonance in out-diffused silver nanoislands for surface-enhanced Raman scattering. <i>Journal of Physics: Conference Series</i> , 2015, 661, 012034.	0.3	1
102	Room temperature continuous wave operation of injection quantum dot microdisk lasers. <i>Journal of Physics: Conference Series</i> , 2015, 643, 012002.	0.3	1
103	Microdisk lasers based on GaInNAsSb/GaAsN quantum well active region. <i>Journal of Physics: Conference Series</i> , 2015, 643, 012040.	0.3	1
104	Single-Mode Emission From 4- $\hat{9}$ / ₄ m Microdisk Lasers With Dense Array of InGaAs Quantum Dots. <i>Journal of Lightwave Technology</i> , 2015, 33, 171-175.	2.7	8
105	Formation of silver fractal structures in ion-exchange glasses under poling. <i>Technical Physics</i> , 2015, 60, 270-274.	0.2	4
106	How Does Thermal Poling Produce Interstitial Molecular Oxygen in Silicate Glasses?. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17298-17307.	1.5	49
107	Room Temperature Lasing in 1- $\hat{1}$ / ₄ m Microdisk Quantum Dot Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 709-713.	1.9	28
108	Thermal resistance of ultra-small-diameter disk microlasers. <i>Semiconductors</i> , 2015, 49, 674-678.	0.2	8

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109	Continuous-wave lasing at 100°C in 1.3 µm quantum dot microdisk diode laser. Electronics Letters, 2015, 51, 1354-1355.	0.5	31
110	Mode selection in InAs quantum dot microdisk lasers using focused ion beam technique. Optics Letters, 2015, 40, 4022.	1.7	18
111	Resonant Optical Properties of Single Out-Diffused Silver Nanoislands. Journal of Physical Chemistry C, 2015, 119, 26692-26697.	1.5	10
112	Electric Properties of Hemispherical Metal Nanoparticles: Influence of the Dielectric Cover and Substrate. Plasmonics, 2015, 10, 519-527.	1.8	12
113	Nanoprofiling of alkali-silicate glasses by thermal poling. Journal of Non-Crystalline Solids, 2015, 409, 166-169.	1.5	27
114	Lasing in microdisk resonators with InAs/InGaAs quantum dots transferred on a silicon substrate. Journal of Physics: Conference Series, 2014, 541, 012049.	0.3	4
115	Electric properties of hemispherical metal nanoparticles: influence of the dielectric substrate. Journal of Physics: Conference Series, 2014, 541, 012077.	0.3	4
116	Plasmonic molecules via glass annealing in hydrogen. Nanoscale Research Letters, 2014, 9, 606.	3.1	16
117	Ultrasmall microdisk and microring lasers based on InAs/InGaAs/GaAs quantum dots. Nanoscale Research Letters, 2014, 9, 3266.	3.1	43
118	Control of emission spectra in quantum dot microdisk/microring lasers. Optics Express, 2014, 22, 25782.	1.7	15
119	Lasing in microdisks of ultrasmall diameter. Semiconductors, 2014, 48, 1626-1630.	0.2	9
120	High-Temperature Lasing and Control of Emission Spectra in Microdisk and Microring Lasers with Quantum Dots. , 2014, , .		0
121	Vibrational study of thermally ion-exchanged sodium aluminoborosilicate glasses. Journal of Non-Crystalline Solids, 2014, 401, 232-236.	1.5	31
122	Out-diffused silver island films for surface-enhanced Raman scattering protected with TiO2 films using atomic layer deposition. Nanoscale Research Letters, 2014, 9, 398.	3.1	31
123	Influence of active region and resonator design on characteristics of microdisk lasers. , 2014, , .		1
124	Self-arrangement of periodic layers of silver nanoparticles in silicate glass. Journal of Physics: Conference Series, 2014, 541, 012005.	0.3	0
125	SERS-applicable silver nanoisland film grown under protective coating. Journal of Physics: Conference Series, 2014, 541, 012073.	0.3	3
126	Plasmonic bandgap in random media. Nanoscale Research Letters, 2013, 8, 324.	3.1	8

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127	Nanoscale patterning of metal nanoparticle distribution in glasses. <i>Nanoscale Research Letters</i> , 2013, 8, 260.	3.1	15
128	Room-temperature lasing in microring cavities with an InAs/InGaAs quantum-dot active region. <i>Semiconductors</i> , 2013, 47, 1387-1390.	0.2	7
129	Laser generation in microdisc resonators with InAs/GaAs quantum dots transferred on a silicon substrate. <i>Technical Physics Letters</i> , 2013, 39, 830-833.	0.2	4
130	Mid-Range Structure of Niobiumâ€“Sodiumâ€“Phosphate Electro-Optic Glasses. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1444-1450.	1.2	12
131	Dissolution of metal nanoparticles in glass under a dc electric field. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 045302.	1.3	9
132	Formation and self-arrangement of silver nanoparticles in glass via annealing in hydrogen: The model. <i>Journal of Non-Crystalline Solids</i> , 2013, 376, 152-157.	1.5	22
133	Formation and 2D-patterning of silver nanoisland film using thermal poling and out-diffusion from glass. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	35
134	Ultraviolet dynamical optical limiting in a glass containing NaNbO ₃ nanocrystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1284.	0.9	5
135	METAL-DIELECTRIC NANOCOMPOSITES: NOVEL MATERIALS FOR PLASMONICS. , 2013, , .		0
136	SILVER NANOISLAND FILMS FABRICATED BY OUT-DIFFUSION FROM A GLASS SUBSTRATE. , 2013, , .		0
137	On the modeling of spectral map of glass-metal nanocomposite optical nonlinearity. <i>Optics Express</i> , 2012, 20, 12040.	1.7	1
138	Polarization of glass containing fast and slow ions. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	28
139	On the origin of the high Kerr coefficient measured in thalliumâ€“zincâ€“tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1870-1872.	1.5	1
140	High-temperature lasing in a microring laser with an active region based on InAs/InGaAs quantum dots. <i>Semiconductors</i> , 2012, 46, 1040-1043.	0.2	11
141	Self-assembled silver nanoislands formed on glass surface via out-diffusion for multiple usages in SERS applications. <i>Nanoscale Research Letters</i> , 2012, 7, 676.	3.1	40
142	On the stability of elastic nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2137-2139.	0.7	2
143	Spatially periodical poling of silica glass. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	16
144	Femtosecond third-harmonic generation in a glass ceramic containing sodium niobate nanocrystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1077.	0.9	4

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145	Bleaching versus poling: Comparison of electric field induced phenomena in glasses and glass-metal nanocomposites. Journal of Applied Physics, 2011, 109, .	1.1	26
146	Electric field and spatial charge formation in glasses and glassy nanocomposites. Journal of Applied Physics, 2011, 109, .	1.1	9
147	Luminescence properties and optical dephasing in a glass-ceramic containing sodium-niobate nanocrystals. Journal of Applied Physics, 2011, 109, .	1.1	9
148	Mass transfer in thermo-electric-field modification of glass-metal nanocomposites. Technical Physics, 2010, 55, 1600-1608.	0.2	9
149	Modeling charge transfer dynamics and electric field distribution in glasses during poling and electrostimulated diffusion. Technical Physics Letters, 2010, 36, 1028-1031.	0.2	3
150	Imprinting phase/amplitude patterns in glasses with thermal poling. Solid State Ionics, 2010, 181, 849-855.	1.3	40
151	Raman optical amplification properties of sodium-niobium-phosphate glasses. Applied Physics Letters, 2010, 97, .	1.5	43
152	How Does Thermal Poling Affect the Structure of Soda-Lime Glass?. Journal of Physical Chemistry C, 2010, 114, 12754-12759.	1.5	117
153	Submicron Surface Relief Formation Using Thermal Poling of Glasses. E-Journal of Surface Science and Nanotechnology, 2009, 7, 617-620.	0.1	12
154	Enhanced Raman gain coefficients and bandwidths of sodium-niobium-phosphate glasses for Raman gain media. , 2009, , .		2
155	Raman gain in niobium-phosphate glasses. Applied Physics Letters, 2009, 94, .	1.5	36
156	Hyper-Rayleigh scattering from BaTiO ₃ and PbTiO ₃ nanocrystals. Chemical Physics Letters, 2009, 467, 335-338.	1.2	30
157	Kerr studies of several tellurite glasses. Journal of Non-Crystalline Solids, 2009, 355, 2195-2198.	1.5	6
158	Passive mode locking of 209 $\hat{1}$ / ₄ m Cr,Tm,Ho:Y ₃ Sc ₂ Al ₃ O ₁₂ laser using PbS quantum-dot-doped glass. Optics Letters, 2009, 34, 3403.	1.7	37
159	Spectral mapping of the third-order optical nonlinearity of glass-metal nanocomposites. Optics Express, 2009, 17, 17170.	1.7	9
160	Passive mode-locking of a Ho:YSAG laser with PbS-quantum dot-doped glass. , 2009, , .		0
161	OPTICAL WAVEGUIDES IN GLASSES DOPED WITH LEAD SULFIDE QUANTUM DOTS. , 2009, , .		0
162	Ultrafast Dephasing Time Measurements in a Niobic-Silicate Nanocomposite Using Incoherent Light. , 2009, , .		0

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163	CW laser discoloration of X-ray irradiated silver doped silicate glasses. <i>Optical Materials</i> , 2008, 30, 1715-1722.	1.7	6
164	Electric field imprinting of sub-micron patterns in glass-metal nanocomposites. <i>Nanotechnology</i> , 2008, 19, 415304.	1.3	44
165	Submicron-resolved relief formation in poled glasses and glass-metal nanocomposites. <i>Technical Physics Letters</i> , 2008, 34, 1030-1033.	0.2	45
166	Influence of reduction-oxidation synthesis conditions on the nature of color centers in silicate glass doped with selenium. <i>Glass Physics and Chemistry</i> , 2008, 34, 155-159.	0.2	3
167	Fluorophosphate glasses doped with PbSe quantum dots and their nonlinear optical characteristics. <i>Glass Physics and Chemistry</i> , 2008, 34, 351-355.	0.2	12
168	Semiconductor-doped glass saturable absorbers for near-infrared solid-state lasers. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	54
169	Phosphate glasses for GRIN structures by ion exchange. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1142-1145.	1.5	10
170	Aluminum-boro-silicate glasses for ion exchange: Characterization and influence of diffusion non-linearity. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1164-1168.	1.5	2
171	Electrooptical Kerr phenomenon and Raman spectroscopy of one lithium-niobium-silicate glass-forming system. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1245-1249.	1.5	11
172	Ion-exchange-induced formation of glassy electrooptical and nonlinear optical nanomaterial. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1369-1372.	1.5	10
173	<title>Nanostructure of glasses: experimental evidence</title> . , 2008, , .		1
174	Nonlinear absorption of transparent glass ceramics containing sodium niobate nanocrystals. <i>Physical Review B</i> , 2007, 76, .	1.1	18
175	Femtosecond absorption bleaching in glasses with semiconductor nanoparticles. , 2007, 6582, 278.		0
176	Spatially Periodic Formation of Nanoparticles in Metal-Doped Glasses. <i>Defect and Diffusion Forum</i> , 2007, 263, 57-62.	0.4	1
177	High index contrast hole-free photonic crystal fiber. , 2007, , .		0
178	Femtosecond absorption dynamics in glass-metal nanocomposites. <i>Optics Express</i> , 2007, 15, 6840.	1.7	26
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180	Formation of nanoclusters through silver reduction in glasses: The model. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2263-2271.	1.5	41

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