

# Carlos Jacinto

## List of Publications by Year in descending order

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141  
papers

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citations

87843

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102432

66  
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144  
all docs

144  
docs citations

144  
times ranked

3914  
citing authors

#	ARTICLE	IF	CITATIONS
1	White light source and optical thermometry based on zinc-tellurite glass tri-doped with Tm <sup>3+</sup> /Er <sup>3+</sup> /Sm <sup>3+</sup> . Journal of Alloys and Compounds, 2022, 899, 163305.	2.8	9
2	Nd <sup>3+</sup> doped TiO <sub>2</sub> nanocrystals as self-referenced optical nanothermometer operating within the biological windows. Sensors and Actuators A: Physical, 2021, 317, 112445.	2.0	14
3	Spectral studies of highly Dy <sup>3+</sup> doped PbO–ZnO–B <sub>2</sub> O <sub>3</sub> –P <sub>2</sub> O <sub>5</sub> glasses. Journal of Luminescence, 2021, 231, 117839.	1.5	12
4	Thermoelastic properties across martensitic transformation of Ni <sub>4</sub> MnGa Heusler alloy from time-resolved photothermal mirror. Physica B: Condensed Matter, 2021, 605, 412713.	1.3	6
5	Near-infrared quantum cutting in Pr <sup>3+</sup> /Yb <sup>3+</sup> NaYF <sub>4</sub> nanocrystals for luminescent solar converter. Journal of Luminescence, 2021, 233, 117919.	1.5	17
6	Enhanced thermometry parameters in Er <sup>3+</sup> -doped zinc tellurite glasses containing silver nanoparticles. Optik, 2021, 240, 166929.	1.4	4
7	3D-Printed Acoustofluidic Devices for Raman Spectroscopy of Cells. Advanced Engineering Materials, 2021, 23, 2100552.	1.6	3
8	Energy conversion dynamics of novel lanthanide-doped forsterite photoactive devices. Applied Surface Science, 2021, 561, 150059.	3.1	1
9	3D-Printed Acoustofluidic Devices for Raman Spectroscopy of Cells. Advanced Engineering Materials, 2021, 23, 2170040.	1.6	1
10	Temperature triggering a photon-avalanche-like mechanism in NdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> particles under excitation at 1064 nm. Journal of Luminescence, 2021, , 118645.	1.5	10
11	Nystatin complexation with cyclodextrin: Spectroscopic evaluation of inclusion by FT-Raman, photoacoustic spectroscopy, and <sup>1</sup> H NMR. Materials Chemistry and Physics, 2020, 239, 122117.	2.0	13
12	Binary activated iron oxide/SiO <sub>2</sub> /NaGdF <sub>4</sub> :RE (RE = Ce, and Eu; Yb, and Er) nanoparticles: synthesis, characterization and their potential for dual T <sub>1</sub> -weighted imaging. New Journal of Chemistry, 2020, 44, 832-844.	1.4	4
13	Interaction between Yb <sup>3+</sup> doped glasses substrates and graphene layers by raman spectroscopy. Thin Solid Films, 2020, 712, 138315.	0.8	6
14	Role of heat treatment on the structural and luminescence properties of Yb <sup>3+</sup> /Ln <sup>3+</sup> (Ln = Tm, Ho and Er) co-doped LaF <sub>3</sub> nanoparticles. Physical Chemistry Chemical Physics, 2020, 22, 24535-24543.	1.3	9
15	Ag <sub>2</sub> S Nanoheaters with Multiparameter Sensing for Reliable Thermal Feedback during In Vivo Tumor Therapy. Advanced Functional Materials, 2020, 30, 2002730.	7.8	73
16	Giant sensitivity of an optical nanothermometer based on parametric and non-parametric emissions from Tm <sup>3+</sup> doped NaNbO <sub>3</sub> nanocrystals. Journal of Luminescence, 2020, 226, 117475.	1.5	12
17	Ultrafast photochemistry produces superbright short-wave infrared dots for low-dose in vivo imaging. Nature Communications, 2020, 11, 2933.	5.8	56
18	Facile and fast synthesis of lanthanide nanoparticles for bio-applications. , 2020, , 195-228.		1

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19	Optical nanothermometry under multiphonon assisted anti-Stokes excitation operating in the biological windows. <i>Sensors and Actuators A: Physical</i> , 2019, 296, 375-382.	2.0	6
20	Non-isothermal crystallization of TeO <sub>2</sub> -Na <sub>2</sub> O-TiO <sub>2</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 524, 119655.	1.5	9
21	Influence of BaX <sub>2</sub> (X = Cl, F) and Er <sub>2</sub> O <sub>3</sub> concentration on the physical and optical properties of barium borate glasses. <i>Physica B: Condensed Matter</i> , 2019, 558, 146-153.	1.3	26
22	A generalized Drude-Lorentz model for refractive index behavior of tellurite glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16949-16955.	1.1	9
23	Thulium doped LaF <sub>3</sub> for nanothermometry operating over 1000 nm. <i>Nanoscale</i> , 2019, 11, 8864-8869.	2.8	31
24	Second-order nonlinearity of NaNbO <sub>3</sub> nanocrystals with orthorhombic crystalline structure. <i>Journal of Luminescence</i> , 2019, 211, 121-126.	1.5	13
25	Synthesis and characterization of Ag <sub>2</sub> S and Ag <sub>2</sub> S/Ag <sub>2</sub> (S,Se) NIR nanocrystals. <i>Nanoscale</i> , 2019, 11, 9194-9200.	2.8	15
26	Random laser and stimulated Raman scattering in liquid solutions of rhodamine dyes. <i>Laser Physics Letters</i> , 2019, 16, 055002.	0.6	9
27	Concentration dependent luminescence and cross-relaxation energy transfers in Tb <sup>3+</sup> doped fluoroborate glasses. <i>Journal of Luminescence</i> , 2019, 205, 282-286.	1.5	54
28	Luminescence and upconversion processes in Er <sup>3+</sup> doped tellurite glasses. <i>Journal of Luminescence</i> , 2018, 201, 110-114.	1.5	23
29	UV-visible-NIR light generation through frequency upconversion in Tm <sup>3+</sup> -doped low silica calcium aluminosilicate glasses using multiple excitation around 1.2 μm. <i>Journal of Solid State Chemistry</i> , 2018, 260, 147-150.	1.4	10
30	Magnetic upconverting fluorescent NaGdF <sub>4</sub> :Ln <sup>3+</sup> and iron-oxide@NaGdF <sub>4</sub> :Ln <sup>3+</sup> nanoparticles. <i>AIP Advances</i> , 2018, 8, 056710.	0.6	6
31	Lifetime-Encoded Infrared-Emitting Nanoparticles for <i>in Vivo</i> Multiplexed Imaging. <i>ACS Nano</i> , 2018, 12, 4362-4368.	7.3	138
32	Optimizing the Nd:YF <sub>3</sub> phosphor by impurities control in the synthesis procedure. <i>Journal of Luminescence</i> , 2018, 201, 156-162.	1.5	10
33	Insight into dual-modality of triply doped magnetic-luminescent iron-oxide/NaGdF <sub>4</sub> :RE <sup>3+</sup> (RE = Ce, Tb, Dy) nanoparticles. <i>Materials Letters</i> , 2018, 213, 358-361.	1.3	5
34	In Vivo Early Tumor Detection and Diagnosis by Infrared Luminescence Transient Nanothermometry. <i>Advanced Functional Materials</i> , 2018, 28, 1803924.	7.8	83
35	Core-shell rare-earth-doped nanostructures in biomedicine. <i>Nanoscale</i> , 2018, 10, 12935-12956.	2.8	63
36	Optical Sensing Based on Rare-Earth-Doped Tellurite Glasses. , 2018, , 179-201.		0

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37	Luminescent anti-reflection coatings based on Er <sup>3+</sup> doped forsterite for commercial silicon solar cells applications. <i>Solar Energy</i> , 2018, 170, 752-761.	2.9	14
38	Effect of Gold Nanoparticles and Unwanted Residues on Raman Spectra of Graphene Sheets. <i>Brazilian Journal of Physics</i> , 2018, 48, 477-484.	0.7	3
39	White light upconversion emission and color tunability in Er <sup>3+</sup> /Tm <sup>3+</sup> /Yb <sup>3+</sup> tri-doped YNbO <sub>4</sub> phosphor. <i>Journal of Luminescence</i> , 2018, 204, 676-684.	1.5	35
40	Time resolved spectroscopy of infrared emitting Ag <sub>2</sub> S nanocrystals for subcutaneous thermometry. <i>Nanoscale</i> , 2017, 9, 2505-2513.	2.8	41
41	Multicolor light emission in Dy <sup>3+</sup> /Tb <sup>3+</sup> -codoped LaF <sub>3</sub> nanocrystals under UV excitation. <i>Optical Engineering</i> , 2017, 56, 047101.	0.5	1
42	Tunable light emission mediated by energy transfer in Tm <sup>3+</sup> /Dy <sup>3+</sup> co-doped LaF <sub>3</sub> nanocrystals under UV excitation. <i>Journal of Luminescence</i> , 2017, 188, 18-23.	1.5	19
43	In Vivo Ischemia Detection by Luminescent Nanothermometers. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601195.	3.9	73
44	IR-to-visible frequency upconversion in Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped phosphate glass. <i>Optical Materials</i> , 2017, 73, 1-6.	1.7	17
45	Luminescence dynamics in Eu <sup>3+</sup> doped fluoroborate glasses. <i>Journal of Luminescence</i> , 2017, 192, 827-831.	1.5	15
46	In Vivo Subcutaneous Thermal Video Recording by Supersensitive Infrared Nanothermometers. <i>Advanced Functional Materials</i> , 2017, 27, 1702249.	7.8	159
47	1.319 $\mu$ m excited thulium doped nanoparticles for subtissue thermal sensing with deep penetration and high contrast imaging. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 525-531.	4.0	39
48	LaF <sub>3</sub> core/shell nanoparticles for subcutaneous heating and thermal sensing in the second biological-window. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	78
49	Generation of multiwavelength light in the region of the biological windows in Tm <sup>3+</sup> -doped fiber excited at 1.064 $\mu$ m. <i>Applied Physics Letters</i> , 2016, 109, 261108.	1.5	8
50	Generation of Vis-NIR light within the first biological optical window via frequency upconversion in Tm <sup>3+</sup> - and Tm <sup>3+</sup> /Er <sup>3+</sup> -doped tellurite glass excited at 1319 nm. , 2016, , .		1
51	Multichannel emission from Pr <sup>3+</sup> doped heavy-metal oxide glass B <sub>2</sub> O <sub>3</sub> -PbO-GeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> for broadband signal amplification. <i>Journal of Luminescence</i> , 2016, 180, 341-347.	1.5	24
52	Spectroscopic properties of B <sub>2</sub> O <sub>3</sub> -PbO-Bi <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> glass doped with Sm <sup>3+</sup> and gold nanoparticles. <i>Optical Materials</i> , 2016, 52, 230-236.	1.7	22
53	Thermo-optical and spectroscopic properties of Nd:YAG fine grain ceramics: towards a better performance than the Nd:YAG laser crystals. <i>Laser Physics Letters</i> , 2016, 13, 025004.	0.6	7
54	Unveiling in Vivo Subcutaneous Thermal Dynamics by Infrared Luminescent Nanothermometers. <i>Nano Letters</i> , 2016, 16, 1695-1703.	4.5	265

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55	Efficient 800nm upconversion luminescence emission in 1.319 $\mu$ m excited thulium-doped fluorogermanate. , 2016, , .		0
56	Roles of fluorine and annealing on optical and structural properties of Nd:YF <sub>3</sub> phosphor. Journal of Luminescence, 2016, 175, 237-242.	1.5	4
57	Real-time deep-tissue thermal sensing with sub-degree resolution by thermally improved Nd <sup>3+</sup> :LaF <sub>3</sub> multifunctional nanoparticles. Journal of Luminescence, 2016, 175, 149-157.	1.5	71
58	Self-monitored photothermal nanoparticles based on core-shell engineering. Nanoscale, 2016, 8, 3057-3066.	2.8	107
59	Visible-NIR luminescence emission via energy-transfer in Tm <sup>3+</sup> /Er <sup>3+</sup> and Tm <sup>3+</sup> /Nd <sup>3+</sup> codoped glass under 1.319 $\mu$ m excitation. Journal of Luminescence, 2016, 172, 275-278.	1.5	4
60	Visible-NIR emission and structural properties of Sm <sup>3+</sup> doped heavy-metal oxide glass with composition B <sub>2</sub> O <sub>3</sub> -PbO-Bi <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> . Journal of Luminescence, 2016, 171, 106-111.	1.5	58
61	Luminescent nanoprobes for thermal bio-sensing: Towards controlled photo-thermal therapies. Journal of Luminescence, 2016, 169, 394-399.	1.5	59
62	1.319 $\mu$ m excited intense 800nm frequency upconversion emission in Tm <sup>3+</sup> -doped fluorogermanate glass. Applied Physics Letters, 2015, 107, 211103.	1.5	17
63	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. Journal of Applied Physics, 2015, 118, .	1.1	102
64	Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped NaNbO <sub>3</sub> nanocrystals as three-photon-excited luminescent nanothermometers. Sensors and Actuators B: Chemical, 2015, 213, 65-71.	4.0	120
65	Luminescence and thermal lensing characterization of singly Eu <sup>3+</sup> and Tm <sup>3+</sup> doped Y <sub>2</sub> O <sub>3</sub> transparent ceramics. Journal of Luminescence, 2015, 161, 306-312.	1.5	28
66	Direct measurement of photo-induced nanoscale surface displacement in solids using atomic force microscopy. Optical Materials, 2015, 48, 71-74.	1.7	4
67	Modeling population and thermal lenses in the presence of Auger Upconversion for Nd <sup>3+</sup> doped materials. Optics Express, 2015, 23, 15983.	1.7	2
68	Intratumoral Thermal Reading During Photo-Thermal Therapy by Multifunctional Fluorescent Nanoparticles. Advanced Functional Materials, 2015, 25, 615-626.	7.8	274
69	1.3 $\mu$ m emitting SrF <sub>2</sub> :Nd <sup>3+</sup> nanoparticles for high contrast in vivo imaging in the second biological window. Nano Research, 2015, 8, 649-665.	5.8	185
70	Three- and two-photon upconversion luminescence switching in Tm <sup>3+</sup> /Yb <sup>3+</sup> -codoped sodium niobate nanophosphor. Journal of Nanophotonics, 2014, 8, 083093.	0.4	14
71	Influence of the Al concentration on the electronic properties of coupled and uncoupled Al <sub>x</sub> Ga <sub>1-x</sub> As/AlAs/AlyGa <sub>1-y</sub> As double quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 61, 158-166.	1.3	6
72	Neodymium-Doped LaF <sub>3</sub> Nanoparticles for Fluorescence Bioimaging in the Second Biological Window. Small, 2014, 10, 1141-1154.	5.2	185

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73	Synthesis and spectroscopic characterization of a fluorescent pyrrole derivative containing electron acceptor and donor groups. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 812-818.	2.0	16
74	Nd <sup>3+</sup> doped LaF <sub>3</sub> nanoparticles as self-monitored photo-thermal agents. <i>Applied Physics Letters</i> , 2014, 104, 053703.	1.5	116
75	Thermal mirror spectrometry: An experimental investigation of optical glasses. <i>Optical Materials</i> , 2013, 35, 1129-1133.	1.7	14
76	Subtissue Thermal Sensing Based on Neodymium-Doped LaF <sub>3</sub> Nanoparticles. <i>ACS Nano</i> , 2013, 7, 1188-1199.	7.3	338
77	Fluorescent nano-particles for multi-photon thermal sensing. <i>Journal of Luminescence</i> , 2013, 133, 249-253.	1.5	40
78	Spectroscopic investigation and heat generation of Yb <sup>3+</sup> /Ho <sup>3+</sup> codoped aluminosilicate glasses looking for the emission at 2.4 μm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1322.	0.9	9
79	Modeling the population lens effect in thermal lens spectrometry. <i>Optics Letters</i> , 2013, 38, 422.	1.7	24
80	Resonant excited state absorption and relaxation mechanisms in Tb <sup>3+</sup> -doped calcium aluminosilicate glasses: an investigation by thermal mirror spectrometry. <i>Optics Letters</i> , 2013, 38, 4667.	1.7	13
81	Response to "Critical Growth Temperature of Aqueous CdTe Quantum Dots is Non-negligible for their Application as Nanothermometers". <i>Small</i> , 2013, 9, 3198-3200.	5.2	8
82	Two Photon Thermal Sensing in Er <sup>3+</sup> /Yb <sup>3+</sup> Co-Doped Nanocrystalline NaNbO <sub>3</sub> . <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6841-6845.	0.9	18
83	Cooperative Upconversion, Radiation Trapping, and Self-Quenching Effects in Highly Yb <sup>3+</sup> /Er <sup>3+</sup> -Doped Oxyfluoride Glasses. <i>Science of Advanced Materials</i> , 2013, 5, 1948-1953.	0.1	10
84	Thermal lens study of thermo-optical properties and concentration quenching of Er <sup>3+</sup> -doped lead pyrophosphate-based glasses. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	11
85	Time-resolved mirage method: A three-dimensional theory and experiments. <i>Journal of Applied Physics</i> , 2012, 111, 093502.	1.1	8
86	Multicolor Upconversion Emission and Color Tunability in Tm <sup>3+</sup> /Er <sup>3+</sup> /Yb <sup>3+</sup> Tri-Doped NaNbO <sub>3</sub> Nanocrystals. <i>Materials Express</i> , 2012, 2, 294-302.	0.2	21
87	Optimum quantum dot size for highly efficient fluorescence bioimaging. <i>Journal of Applied Physics</i> , 2012, 111, 023513.	1.1	27
88	Photothermal Study of Two Different Nanofluids Containing SiO <sub>2</sub> and TiO <sub>2</sub> Semiconductor Nanoparticles. <i>International Journal of Thermophysics</i> , 2012, 33, 69-79.	1.0	13
89	Spectroscopic properties and heat generation of Yb <sup>3+</sup> /Ho <sup>3+</sup> and Tm <sup>3+</sup> /Ho <sup>3+</sup> co-doped low silica calcium aluminosilicate glasses for emission around 2.4 μm. , 2012, , .		0
90	Finite-size effect on the surface deformation thermal mirror method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1735.	0.9	27

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91	The role of TiO <sub>2</sub> in the B <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-PbO-Al <sub>2</sub> O <sub>3</sub> glass system. Journal of Solid State Chemistry, 2011, 184, 3062-3065.	1.4	29
92	Temperature dependence of the thermophysical properties of Neodymium doped borate glasses. Optical Materials, 2011, 33, 1563-1568.	1.7	2
93	Ultrafast laser writing of optical waveguides in ceramic Yb:YAG: a study of thermal and non-thermal regimes. Applied Physics A: Materials Science and Processing, 2011, 104, 301-309.	1.1	47
94	CdTe Quantum Dots as Nanothermometers: Towards Highly Sensitive Thermal Imaging. Small, 2011, 7, 1774-1778.	5.2	127
95	Thermo-optical characteristics and concentration quenching effects in Nd <sup>3+</sup> -doped yttrium calcium borate glasses. Journal of Chemical Physics, 2011, 134, 124503.	1.2	7
96	Luminescence Quantum Efficiency of Nd <sup>3+</sup> :Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Garnet Laser Ceramics Determined by Pump-Induced Line Broadening. IEEE Journal of Quantum Electronics, 2010, 46, 1870-1876.	1.0	7
97	Color tunability with temperature and pump intensity in Yb <sup>3+</sup> /Tm <sup>3+</sup> codoped aluminosilicate glass under anti-Stokes excitation. Journal of Chemical Physics, 2010, 133, 034507.	1.2	34
98	Thermally resistant waveguides fabricated in Nd:YAG ceramics by crossing femtosecond damage filaments. Optics Letters, 2010, 35, 330.	1.7	39
99	Femtosecond-laser-written, stress-induced Nd:YVO <sub>4</sub> waveguides preserving fluorescence and Raman gain. Optics Letters, 2010, 35, 916.	1.7	51
100	Spectroscopic properties of Er <sup>3+</sup> -doped lead phosphate glasses for photonic application. Journal Physics D: Applied Physics, 2010, 43, 025102.	1.3	70
101	Nonlinear refraction and absorption through phase transition in a Nd:SBN laser crystal. Physical Review B, 2009, 79, .	1.1	11
102	Influence of temperature and excitation procedure on the athermal behavior of Nd <sup>3+</sup> -doped phosphate glass: Thermal lens, interferometric, and calorimetric measurements. Journal of Applied Physics, 2009, 106, .	1.1	6
103	Ultra-sensitive thermal lens spectroscopy of water. , 2009, , .		0
104	Quantum efficiencies and thermo-optical properties of Er <sup>3+</sup> , Nd <sup>3+</sup> , and Pr <sup>3+</sup> -single doped lead-indium-phosphate glasses. Journal of Applied Physics, 2009, 106, .	1.1	13
105	Ultrasensitive thermal lens spectroscopy of water. Optics Letters, 2009, 34, 1882.	1.7	41
106	Energy transfer upconversion determination by thermal-lens and Z-scan techniques in Nd <sup>3+</sup> -doped laser materials. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1002.	0.9	21
107	Luminescent and thermo-optical properties of Nd <sup>3+</sup> -doped yttrium aluminoborate laser glasses. Journal of Applied Physics, 2009, 106, .	1.1	16
108	Thermal lens spectrometry in pyroelectric lithium niobate crystals. Applied Physics B: Lasers and Optics, 2008, 93, 879-883.	1.1	20

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109	Highly efficient upconversion emission and luminescence switching from Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped water-free low silica calcium aluminosilicate glass. <i>Journal of Luminescence</i> , 2008, 128, 744-746.	1.5	14
110	Time-resolved study electronic and thermal contributions to the nonlinear refractive index of Nd <sup>3+</sup> :SBN laser crystals. <i>Journal of Luminescence</i> , 2008, 128, 1013-1015.	1.5	12
111	Microstructuration induced differences in the thermo-optical and luminescence properties of Nd:YAG fine grain ceramics and crystals. <i>Journal of Chemical Physics</i> , 2008, 129, 104705.	1.2	25
112	Time resolved thermal lens measurements of the thermo-optical properties of Nd <sub>2</sub> O <sub>3</sub> -doped low silica calcium aluminosilicate glasses down to 4.3K. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 574-579.	1.5	12
113	Thermal lens and heat generation of Nd:YAG lasers operating at 1.064 and 1.34 $\mu$ m. <i>Optics Express</i> , 2008, 16, 6317.	1.7	27
114	Thermal lens and interferometric method for glass transition and thermo physical properties measurements in Nd <sub>2</sub> O <sub>3</sub> doped sodium zincborate glass. <i>Optics Express</i> , 2008, 16, 21248.	1.7	7
115	Effect of Nd <sup>3+</sup> concentration quenching in highly doped lead lanthanum zirconate titanate transparent ferroelectric ceramics. <i>Journal of Applied Physics</i> , 2007, 101, 053111.	1.1	23
116	Thermal lens spectroscopy through phase transition in neodymium doped strontium barium niobate laser crystals. <i>Journal of Applied Physics</i> , 2007, 101, 023113.	1.1	14
117	Thermal lens study of energy transfer in Yb <sup>3+</sup> /Tm <sup>3+</sup> -co-doped glasses. <i>Optics Express</i> , 2007, 15, 9232.	1.7	24
118	Thermal and Optical Properties of Yb <sup>3+</sup> - and Nd <sup>3+</sup> -Doped Phosphate Glasses Determined by Thermal Lens Technique. <i>IEEE Journal of Quantum Electronics</i> , 2007, 43, 751-757.	1.0	28
119	Pump-power-controlled luminescence switching in Yb <sup>3+</sup> •Tm <sup>3+</sup> codoped water-free low silica calcium aluminosilicate glasses. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	66
120	Evaluation of thermo-optical properties of poly(2-methoxyaniline) solutions. <i>Chemical Physics Letters</i> , 2007, 442, 400-404.	1.2	5
121	Energy transfer processes and heat generation in Yb <sup>3+</sup> -doped phosphate glasses. <i>Journal of Applied Physics</i> , 2006, 100, 113103.	1.1	23
122	Optimizing and calibrating a mode-mismatched thermal lens experiment for low absorption measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1408.	0.9	69
123	Thermal lens and Auger upconversion losses' effect on the efficiency of Nd <sup>3+</sup> -doped lead lanthanum zirconate titanate transparent ceramics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 2097.	0.9	12
124	Thermal properties of barium titanium borate glasses measured by thermal lens technique. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3577-3581.	1.5	9
125	Thermal lens and Z-scan measurements: Thermal and optical properties of laser glasses – A review. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3582-3597.	1.5	141
126	Auger upconversion energy transfer losses and efficient 1.06 $\mu$ m laser emission in Nd <sup>3+</sup> doped fluorindogallate glass. <i>Applied Physics B: Lasers and Optics</i> , 2006, 83, 565-569.	1.1	11

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127	<title>Refractive index changes in solid-state laser materials</title> . , 2006, , .		2
128	Continuous-wave diode-pumped Yb:glass laser with near 90% slope efficiency. Applied Physics Letters, 2006, 89, 121101.	1.5	39
129	Normalized-lifetime thermal-lens method for the determination of luminescence quantum efficiency and thermo-optical coefficients: Application toNd <sup>3+</sup> -doped glasses. Physical Review B, 2006, 73, .	1.1	70
130	Optical distortions through phase transition in the Nd <sup>3+</sup> :SBN laser crystal. Applied Physics Letters, 2006, 88, 161116.	1.5	9
131	High-sensitivity absorption coefficients measurements using thermal lens spectrometry. European Physical Journal Special Topics, 2005, 125, 229-232.	0.2	4
132	Fluorescence quantum efficiency and Auger upconversion losses of the stoichiometric laser crystalNdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> . Physical Review B, 2005, 72, .	1.1	36
133	Thermal lens study of the OH[ <sup>sup</sup> âˆ²] influence on the fluorescence efficiency of Yb[ <sup>sup</sup> 3+] -doped phosphate glasses. Applied Physics Letters, 2005, 86, 071911.	1.5	38
134	Upconversion effect on fluorescence quantum efficiency and heat generation in Nd <sup>3+</sup> -doped materials. Optics Express, 2005, 13, 2040.	1.7	37
135	Thermal lens spectroscopy of Nd:YAG. Applied Physics Letters, 2005, 86, 034104.	1.5	43
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