

Tomaz Catunda

List of Publications by Year in descending order

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147
papers

2,966
citations

147801

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46
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149
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149
docs citations

149
times ranked

1359
citing authors

#	ARTICLE	IF	CITATIONS
1	Promising Tb ³⁺ -doped gallium tungsten-phosphate glass scintillator: Spectroscopy, energy transfer and UV/X-ray sensing. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164016.	5.5	10
2	Towards Power Scaling of Simple CW Ultraviolet via Pr: LiYF ₄ -LBO Laser at 320 nm. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 129-132.	2.5	8
3	Photoacoustic and photothermal and the photovoltaic efficiency of solar cells: A tutorial. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	6
4	Differential absorption saturation in laser cooled Yb:LiYF ₄ . <i>Optical Materials</i> , 2022, 128, 112404.	3.6	2
5	Theoretical study of high order and saturable Kerr media nonlinearities in Z-scan. <i>Optics Communications</i> , 2021, 479, 126421.	2.1	4
6	Identification of overtone and combination bands of organic solvents by thermal lens spectroscopy with tunable Ti:sapphire laser excitation. <i>Journal of Molecular Liquids</i> , 2021, 328, 115414.	4.9	4
7	Spectroscopic investigation and heat generation of Tm ³⁺ /Ho ³⁺ -codoped aluminosilicate glasses emitting at 2.0 Åµm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 3222.	2.1	1
8	Single-beam time-resolved cw thermal Z-scan analysis applied in solids. <i>Optics and Laser Technology</i> , 2021, 142, 107248.	4.6	11
9	Evaluating the link between blue-green luminescence and cross-relaxation processes in Tb ³⁺ -doped glasses. <i>Journal of Luminescence</i> , 2021, 240, 118430.	3.1	10
10	Photothermal and spectroscopic characterization of Tb ³⁺ -doped tungsten-zirconium-tellurite glasses. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	10
11	Monitoring of the ester production by near-infrared thermal lens spectroscopy. <i>Fuel</i> , 2019, 253, 1090-1096.	6.4	20
12	Quantum yield measurements by thermal lens in highly absorbing samples: The case of highly doped rhodamine B organic/silica xerogels. <i>Physical Review Materials</i> , 2019, 3, .	2.4	5
13	Electronic refractive index changes and measurement of saturation intensity in Cr ³⁺ -doped YAG crystal. <i>Optical Materials</i> , 2018, 78, 107-112.	3.6	4
14	Determination of the biodiesel content in diesel/biodiesel blends by using the near-infrared thermal lens spectroscopy. <i>Fuel</i> , 2018, 212, 309-314.	6.4	19
15	Thermo-optical spectroscopic investigation of new Nd ³⁺ -doped fluoro-aluminophosphate glasses. <i>Journal of Alloys and Compounds</i> , 2018, 732, 887-893.	5.5	27
16	The effect of silica content on the luminescence properties of Tb ³⁺ -doped calcium aluminosilicate glasses. <i>Journal of Luminescence</i> , 2018, 202, 363-369.	3.1	16
17	Spectroscopic investigations of 1.06 Åµm emission and time resolved Z-scan studies in Nd ³⁺ -doped zinc tellurite based glasses. <i>Journal of Luminescence</i> , 2017, 192, 1047-1055.	3.1	26
18	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.	1.4	7

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19	Pump-induced refractive index changes in Tb ³⁺ doped glasses. Journal of Luminescence, 2016, 169, 659-664.	3.1	7
20	Thermo-optical properties of Nd ³⁺ doped phosphate glass determined by thermal lens and lifetime measurements. Journal of Luminescence, 2015, 162, 104-107.	3.1	20
21	Nd:YAG optical electronic nonlinearity and energy transfer upconversion studied by the Z-scan technique. Optical Materials Express, 2015, 5, 2588.	3.0	5
22	Mechanisms of optical losses in the 5D ₄ and 5D ₃ levels in Tb ³⁺ doped low silica calcium aluminosilicate glasses. Journal of Applied Physics, 2015, 117, .	2.5	46
23	Concentration effect on the spectroscopic behavior of Tb ³⁺ ions in zinc phosphate glasses. Journal of Luminescence, 2015, 165, 77-84.	3.1	82
24	Modeling population and thermal lenses in the presence of Auger Upconversion for Nd ³⁺ doped materials. Optics Express, 2015, 23, 15983.	3.4	2
25	Luminescence-Z-scan. , 2015, , .		0
26	High-order nonlinearities in Tb ³⁺ doped calcium aluminosilicate glasses. , 2015, , .		0
27	Thermal conductivity of Nd ³⁺ and Yb ³⁺ doped laser materials measured by using the thermal lens technique. Optical Materials, 2014, 37, 211-213.	3.6	6
28	Discriminating the role of sample length in thermal lensing of solids. Optics Letters, 2014, 39, 4013.	3.3	19
29	Spatial and temporal observation of energy transfer processes in Pr-doped phosphate glasses. Optical Materials, 2014, 37, 387-390.	3.6	11
30	Absolute photoluminescence quantum efficiency of P3HT/CHCl ₃ solution by Thermal Lens Spectrometry. Synthetic Metals, 2013, 163, 38-41.	3.9	15
31	Energy transfer upconversion on neodymium doped phosphate glasses investigated by Z-scan technique. Optical Materials, 2013, 35, 1724-1727.	3.6	9
32	Spectroscopic investigation and heat generation of Yb ³⁺ /Ho ³⁺ codoped aluminosilicate glasses looking for the emission at 2Å¼m. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1322.	2.1	9
33	Resonant excited state absorption and relaxation mechanisms in Tb ³⁺ -doped calcium aluminosilicate glasses: an investigation by thermal mirror spectroscopy. Optics Letters, 2013, 38, 4667.	3.3	13
34	Study of energy transfer upconversion process on phosphate glass through z-scan technique. , 2013, , .		0
35	Optically pump-induced athermal and nonresonant refractive index changes in the reference Cr-doped laser materials: Cr:GSGG and ruby. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1055.	2.1	17
36	The internal resistance of supercapacitors. Physics Education, 2012, 47, 439-443.	0.5	4

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37	Transverse pseudo-nonlinear effects measured in solid-state laser materials using a sensitive time-resolved technique. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 733-740.	2.2	3
38	Spectroscopic properties and heat generation of Yb ³⁺ /Ho ³⁺ and Tm ³⁺ /Ho ³⁺ co-doped low silica calcium aluminosilicate glasses for emission around 2 μm . , 2012, , .		0
39	Very low optical absorptions and analyte concentrations in water measured by Optimized Thermal Lens Spectrometry. <i>Talanta</i> , 2011, 85, 850-858.	5.5	13
40	Pseudo-nonlinear and athermal lensing effects on transverse properties of Cr ³⁺ based solid-state lasers. <i>Optics Communications</i> , 2011, 284, 1975-1981.	2.1	11
41	Quantum yield excitation spectrum (UV-visible) of CdSe/ZnS core-shell quantum dots by thermal lens spectrometry. <i>Journal of Applied Physics</i> , 2010, 107, 083504.	2.5	37
42	Nonlinear refraction and absorption through phase transition in a Nd:SBN laser crystal. <i>Physical Review B</i> , 2009, 79, .	3.2	11
43	Influence of temperature and excitation procedure on the athermal behavior of Nd ³⁺ -doped phosphate glass: Thermal lens, interferometric, and calorimetric measurements. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	6
44	ESA spectra and polarizability changes in Cr ³⁺ doped laser materials. , 2009, , .		0
45	Ultra-sensitive thermal lens spectroscopy of water. , 2009, , .		0
46	Ultrasensitive thermal lens spectroscopy of water. <i>Optics Letters</i> , 2009, 34, 1882.	3.3	41
47	Energy transfer upconversion determination by thermal-lens and Z-scan techniques in Nd ³⁺ -doped laser materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 1002.	2.1	21
48	Thermal lens spectrometry in pyroelectric lithium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 879-883.	2.2	20
49	Time-resolved study electronic and thermal contributions to the nonlinear refractive index of Nd ³⁺ :SBN laser crystals. <i>Journal of Luminescence</i> , 2008, 128, 1013-1015.	3.1	12
50	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.	3.0	25
51	Time resolved thermal lens measurements of the thermo-optical properties of Nd ₂ O ₃ -doped low silica calcium aluminosilicate glasses down to 4.3K. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 574-579.	3.1	12
52	Angular dependence of the thermal-lens effect on LiSrAlF ₆ and LiSrGaF ₆ single crystals. <i>Optics Letters</i> , 2008, 33, 1720.	3.3	7
53	Thermal lens and heat generation of Nd:YAG lasers operating at 1.064 and 1.34 μm . <i>Optics Express</i> , 2008, 16, 6317.	3.4	27
54	Thermal lens and interferometric method for glass transition and thermo physical properties measurements in Nd ₂ O ₃ doped sodium zincborate glass. <i>Optics Express</i> , 2008, 16, 21248.	3.4	7

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55	HIGH-SENSITIVITY THERMAL LENS OPTIMIZED TECHNIQUE TO MEASURE LOW LINEAR ABSORPTION COEFFICIENTS. AIP Conference Proceedings, 2008, , .	0.4	0
56	Photothermal Spectroscopic Characterization in Core-Shell Quantum Dots Nanoparticles. AIP Conference Proceedings, 2008, , .	0.4	0
57	Upconversion in Nd ³⁺ -doped glasses: Microscopic theory and spectroscopic measurements. Journal of Applied Physics, 2008, 103, 023103.	2.5	12
58	Discrimination of Resonant and Nonresonant Contributions to the Nonlinear Refraction Spectroscopy of Ion-Doped Solids. Physical Review Letters, 2007, 99, 243902.	7.8	23
59	Effect of Nd ³⁺ concentration quenching in highly doped lead lanthanum zirconate titanate transparent ferroelectric ceramics. Journal of Applied Physics, 2007, 101, 053111.	2.5	23
60	Thermal lens spectroscopy through phase transition in neodymium doped strontium barium niobate laser crystals. Journal of Applied Physics, 2007, 101, 023113.	2.5	14
61	Thermo-optical parameters of tellurite glasses doped with Yb ³⁺ . Journal Physics D: Applied Physics, 2007, 40, 4073-4077.	2.8	11
62	Nonlinear electronic line shape determination in Yb ³⁺ -doped phosphate glass. Optics Letters, 2007, 32, 665.	3.3	21
63	Thermal lens study of energy transfer in Yb ³⁺ /Tm ³⁺ -co-doped glasses. Optics Express, 2007, 15, 9232.	3.4	24
64	Thermal and Optical Properties of Yb ³⁺ - and Nd ³⁺ -Doped Phosphate Glasses Determined by Thermal Lens Technique. IEEE Journal of Quantum Electronics, 2007, 43, 751-757.	1.9	28
65	Evaluation of thermo-optical properties of poly(2-methoxyaniline) solutions. Chemical Physics Letters, 2007, 442, 400-404.	2.6	5
66	Discrimination between thermal quenching of the fluorescence and Auger upconversion processes using thermal lens technique. Optics Communications, 2007, 271, 184-189.	2.1	6
67	Thermal-lens study of thermo-optical properties of tellurite glasses. Journal of Materials Science, 2007, 42, 2304-2308.	3.7	15
68	Energy transfer processes and heat generation in Yb ³⁺ -doped phosphate glasses. Journal of Applied Physics, 2006, 100, 113103.	2.5	23
69	Optimizing and calibrating a mode-mismatched thermal lens experiment for low absorption measurement. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1408.	2.1	69
70	Thermal lens and Auger upconversion losses' effect on the efficiency of Nd ³⁺ -doped lead lanthanum zirconate titanate transparent ceramics. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2097.	2.1	12
71	Thermal properties of barium titanium borate glasses measured by thermal lens technique. Journal of Non-Crystalline Solids, 2006, 352, 3577-3581.	3.1	9
72	Thermo-optical properties and nonradiative quantum efficiency of Er ³⁺ -doped and Er ³⁺ /Tm ³⁺ -co-doped tellurite glasses. Journal of Non-Crystalline Solids, 2006, 352, 3598-3602.	3.1	13

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73	Thermal lens study of $\text{PbO-Bi}_2\text{O}_3\text{-Ga}_2\text{O}_3\text{-BaO}$ glasses doped with Yb^{3+} . Journal of Non-Crystalline Solids, 2006, 352, 3647-3652.	3.1	9
74	Thermal lens and Z-scan measurements: Thermal and optical properties of laser glasses – A review. Journal of Non-Crystalline Solids, 2006, 352, 3582-3597.	3.1	141
75	Photothermal spectroscopic characterization in tellurite glasses codoped with rare-earth ions. , 2006, 6116, 169.		1
76	Auger upconversion energy transfer losses and efficient 1.06 μm laser emission in Nd^{3+} doped fluoroindogallate glass. Applied Physics B: Lasers and Optics, 2006, 83, 565-569.	2.2	11
77	<title>Refractive index changes in solid-state laser materials</title>. , 2006, , .		2
78	Continuous-wave diode-pumped Yb:glass laser with near 90% slope efficiency. Applied Physics Letters, 2006, 89, 121101.	3.3	39
79	Normalized-lifetime thermal-lens method for the determination of luminescence quantum efficiency and thermo-optical coefficients: Application to Nd^{3+} -doped glasses. Physical Review B, 2006, 73, .	3.2	70
80	High-sensitivity absorption coefficients measurements using thermal lens spectrometry. European Physical Journal Special Topics, 2005, 125, 229-232.	0.2	4
81	Influence of probe beam multi-reflection on thermal lens measurements: Application to Nd:YAG rods. European Physical Journal Special Topics, 2005, 125, 189-191.	0.2	0
82	Fluorescence quantum efficiency and Auger upconversion losses of the stoichiometric laser crystal $\text{NdAl}_3(\text{BO}_3)_4$. Physical Review B, 2005, 72, .	3.2	36
83	Thermal lens study of the OH[^{sup} $\hat{\sim}$] influence on the fluorescence efficiency of Yb^{3+} -doped phosphate glasses. Applied Physics Letters, 2005, 86, 071911.	3.3	38
84	Upconversion effect on fluorescence quantum efficiency and heat generation in Nd^{3+} -doped materials. Optics Express, 2005, 13, 2040.	3.4	37
85	Fluorescence quantum efficiency of Er^{3+} in low silica calcium aluminate glasses determined by mode-mismatched thermal lens spectrometry. Journal of Non-Crystalline Solids, 2005, 351, 1594-1602.	3.1	36
86	Thermal lens spectroscopy of Nd:YAG. Applied Physics Letters, 2005, 86, 034104.	3.3	43
87	Determination of fluorescence quantum efficiency in solutions by thermal lens measurements at several wavelengths: Application to Rhodamine 6G. European Physical Journal Special Topics, 2005, 125, 225-227.	0.2	6
88	Time-resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20 K. Physical Review B, 2005, 71, .	3.2	56
89	Fluorescence quantum efficiency in $\text{Nd}^{2+}\text{O}^{3-}$ -doped aluminosilicate glasses by multiwavelength thermal lens method. European Physical Journal Special Topics, 2005, 125, 185-187.	0.2	3
90	Thermal lens determination of fluorescence quantum efficiency of F^{3+} level of Tm^{3+} ions in solids. European Physical Journal Special Topics, 2005, 125, 193-196.	0.2	2

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91	Spectroscopic study of ds/dT in commercial filter by using the thermal lens technique. European Physical Journal Special Topics, 2005, 125, 221-223.	0.2	0
92	High fluorescence quantum efficiency of 1.8×10^{-4} μm emission in Tm-doped low silica calcium aluminate glass determined by thermal lens spectrometry. Applied Physics Letters, 2004, 84, 359-361.	3.3	26
93	Time-resolved thermal lens determination of the thermo-optical coefficients in Nd-doped yttrium aluminum garnet as a function of temperature. Applied Physics Letters, 2004, 84, 5183-5185.	3.3	12
94	Thermal lens and non-linear optical absorption study of a-SiH films. Journal of Non-Crystalline Solids, 2004, 348, 230-234.	3.1	5
95	Thermal quenching of the fluorescence quantum efficiency in colquiriite crystals measured by thermal lens spectrometry. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1784.	2.1	21
96	<title>Light-induced photorefractive and thermal lens effect in lithium niobate crystals</title> . , 2004, , .		0
97	Spectroscopic and thermal characterization in poly(p-phenylene vinylene)/sol-gel silica sample. Optical Materials, 2003, 24, 483-489.	3.6	5
98	Thermal lens determination of the temperature coefficient of optical path length in optical materials. Review of Scientific Instruments, 2003, 74, 877-880.	1.3	44
99	Fluorescence quantum efficiency measurements in the presence of Auger upconversion by the thermal lens method. Optics Letters, 2003, 28, 239.	3.3	30
100	Thermal lens temperature scanning for quantitative measurements in transparent materials (invited). Review of Scientific Instruments, 2003, 74, 291-296.	1.3	4
101	Determination of Auger upconversion coefficient in Nd ³⁺ -doped solids by thermal lens technique. , 2003, 4829, 825.		0
102	Study of temperature dependence of the optical path length in ion doped solids. , 2003, 4829, 539.		0
103	Determination fluorescence quantum efficiency of Nd ³⁺ -doped glasses and crystal by thermal lens technique in function of the wavelength. , 2003, 4829, 823.		0
104	Fluorescence quantum efficiency measurements using the thermal lens technique. Review of Scientific Instruments, 2003, 74, 857-859.	1.3	15
105	Thermal-lens study of thermo-optical and spectroscopic properties of polyaniline. Review of Scientific Instruments, 2003, 74, 866-868.	1.3	8
106	Fluorescence quantum efficiency measurements of excitation and nonradiative deexcitation processes of rare earth 4f-states in chalcogenide glasses. Applied Physics Letters, 2002, 81, 589-591.	3.3	13
107	Nonlinear refraction spectroscopy in resonance with laser lines in solids. Optics Letters, 2002, 27, 845.	3.3	14
108	Temperature dependence of fluorescence quantum efficiency of optical glasses determined by thermal lens spectrometry. Journal of Non-Crystalline Solids, 2002, 304, 244-250.	3.1	15

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109	Thermal relaxation method to determine the specific heat of optical glasses. Journal of Non-Crystalline Solids, 2002, 304, 299-305.	3.1	43
110	Thermal lens versus DTA measurements for glass transition analysis of fluoride glasses. Journal of Non-Crystalline Solids, 2002, 304, 315-321.	3.1	17
111	Thermal lensing in poly(vinyl alcohol)/polyaniline blends. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1949-1956.	2.1	21
112	<title>Applications of Fresnel-Kirchhoff diffraction integral in linear and nonlinear optics: a didactic introduction</title>. , 2001, 4419, 728.		1
113	Thermal and optical properties of chalcohalide glass. Journal of Non-Crystalline Solids, 2001, 284, 203-209.	3.1	27
114	Thermo-optical properties of OH-free erbium-doped low silica calcium aluminosilicate glasses measured by thermal lens technique. Journal of Non-Crystalline Solids, 2001, 284, 210-216.	3.1	12
115	Thermal lens measurements of fluorescence quantum efficiency in Nd ³⁺ -doped fluoride glasses. Journal of Non-Crystalline Solids, 2001, 284, 255-260.	3.1	22
116	Spectroscopy, thermal and optical properties of Nd ³⁺ -doped chalcogenide glasses. Journal of Non-Crystalline Solids, 2001, 284, 274-281.	3.1	38
117	<title>Nonlinear refraction spectroscopy in resonance with laser lines in solids</title>. , 2001, 4419, 146.		1
118	Title is missing!. Journal of Materials Science Letters, 2001, 20, 1815-1817.	0.5	2
119	Temperature dependence of the Cr ³⁺ site axial distortion in LiSrAlF ₆ and LiSrGaF ₆ single crystals. Journal of Physics Condensed Matter, 2001, 13, 8435-8443.	1.8	9
120	Multiwavelength thermal lens determination of fluorescence quantum efficiency of solids: Application to Nd ³⁺ -doped fluoride glass. Applied Physics Letters, 2001, 78, 3220-3222.	3.3	54
121	Thermo-mechanical and optical properties of calcium aluminosilicate glasses doped with Er ³⁺ and Yb ³⁺ . Journal of Non-Crystalline Solids, 2000, 273, 239-245.	3.1	17
122	Mode-mismatched thermal lens spectrometry for thermo-optical properties measurement in optical glasses: a review. Journal of Non-Crystalline Solids, 2000, 273, 215-227.	3.1	129
123	Electronic and thermal contributions to the non-linear refractive index of Nd ³⁺ ion-doped fluoride glasses. Journal of Non-Crystalline Solids, 2000, 273, 257-265.	3.1	22
124	<title>Thermal-lens measurements of thermal diffusivity temperature dependence up to the glass transition in a fluoride glass</title>. , 1999, , .		0
125	Temperature dependence of thermo-optical properties of fluoride glasses determined by thermal lens spectrometry. Physical Review B, 1999, 60, 15173-15178.	3.2	80
126	Nd ₂ O ₃ doped low silica calcium aluminosilicate glasses: Thermomechanical properties. Journal of Applied Physics, 1999, 85, 8112-8118.	2.5	73

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127	Transient four-wave mixing in saturable media with a nonlinear refractive index. Optics Communications, 1999, 163, 44-48.	2.1	4
128	Structure and properties of water free Nd ₂ O ₃ doped low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1999, 247, 196-202.	3.1	31
129	Thermal optical properties of Ga:La:S glasses measured by thermal lens technique. Journal of Non-Crystalline Solids, 1999, 247, 222-226.	3.1	24
130	Time-resolved thermal lens measurements of thermo-optical properties of fluoride glasses. Journal of Non-Crystalline Solids, 1999, 256-257, 337-342.	3.1	20
131	Discrimination between electronic and thermal contributions to the nonlinear refractive index of SrAlF ₅ :Cr ³⁺ . Journal of the Optical Society of America B: Optical Physics, 1999, 16, 395.	2.1	45
132	Thermal-lens measurements of fluorescence quantum efficiency in Nd ³⁺ -doped fluoride glasses. , 1999, , .		0
133	Z-scan measurements in saturable nonlinear refraction media. , 1999, 3749, 605.		0
134	Plane wave interference: A didactic experiment to measure the wavelength of light. American Journal of Physics, 1998, 66, 548-549.	0.7	9
135	Absolute thermal lens method to determine fluorescence quantum efficiency and concentration quenching of solids. Physical Review B, 1998, 57, 10545-10549.	3.2	116
136	Time-resolved study of thermal and electronic nonlinearities in Nd ³⁺ doped fluoride glasses. Electronics Letters, 1998, 34, 117.	1.0	16
137	Measurement of saturation intensities in ion doped solids by transient nonlinear refraction. Applied Physics Letters, 1997, 70, 817-819.	3.3	37
138	Time-resolved Z-scan and thermal lens measurements in Er ³⁺ and Nd ³⁺ doped fluoroindate glasses. Journal of Non-Crystalline Solids, 1997, 213-214, 225-230.	3.1	34
139	Neodymium concentration dependence of thermo-optical properties in low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1997, 219, 165-169.	3.1	38
140	Spectroscopic properties and upconversion mechanisms in Er ³⁺ -doped fluoroindate glasses. Physical Review B, 1996, 53, 6065-6070.	3.2	91
141	Saturation Effects in Z-Scan Measurements. Japanese Journal of Applied Physics, 1996, 35, 2649-2652.	1.5	45
142	Using a PC as a frequency meter or a counter. American Journal of Physics, 1995, 63, 1152-1153.	0.7	0
143	Interference effects in the degenerate-wave-mixing spectroscopy of alexandrite. Physical Review B, 1992, 45, 10087-10090.	3.2	4
144	Saturation effects in degenerate four-wave mixing in ruby and GdAlO ₃ :Cr ³⁺ . Journal of the Optical Society of America B: Optical Physics, 1991, 8, 820.	2.1	18

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145	Transverse self-phase modulation in ruby and GdAlO ₃ :Cr ³⁺ crystals. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1445.	2.1	37
146	Phase conjugation in GdAlO ₃ :Cr ³⁺ and ruby. Optics Communications, 1987, 63, 185-190.	2.1	23
147	Differential interferometric technique for the measurement of the nonlinear index of refraction of ruby and GdAlO ₃ :Cr ³⁺ . Applied Optics, 1986, 25, 2391.	2.1	44