Antonio Bento

List of Publications by Year in descending order

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153 papers	3,198 citations	147801 31 h-index	197818 49 g-index
154 all docs	154 docs citations	154 times ranked	2826 citing authors

#	Article	IF	Citations
1	Optical band-gap determination of nanostructured WO3 film. Applied Physics Letters, 2010, 96, .	3.3	281
2	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
3	Photoacoustic measurement of the thermal properties of two-layer systems. Physical Review B, 1990, 42, 4477-4486.	3.2	123
4	Absolute thermal lens method to determine fluorescence quantum efficiency and concentration quenching of solids. Physical Review B, 1998, 57, 10545-10549.	3.2	116
5	Photoacoustic spectroscopy as a tool for determination of food dyes: Comparison with first derivative spectrophotometry. Talanta, 2010, 81, 202-207.	5.5	91
6	On the observation of 2.8 Î¼m emission from diode-pumped Er3+- and Yb3+-doped low silica calcium aluminate glasses. Applied Physics Letters, 1999, 74, 908-910.	3.3	81
7	Temperature dependence of thermo-optical properties of fluoride glasses determined by thermal lens spectrometry. Physical Review B, 1999, 60, 15173-15178.	3.2	80
8	Nd2O3 doped low silica calcium aluminosilicate glasses: Thermomechanical properties. Journal of Applied Physics, 1999, 85, 8112-8118.	2.5	73
9	Relations among nonbridging oxygen, optical properties, optical basicity, and color center formation in CaOâ€“MgO aluminosilicate glasses. Journal of Applied Physics, 2008, 104, .	2.5	68
10	Hydrogen Peroxide Diffusion Dynamics in Dental Tissues. Journal of Dental Research, 2013, 92, 661-665.	5.2	63
11	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
12	Characterization of natural nanostructured hydroxyapatite obtained from the bones of Brazilian river fish. Journal of Applied Physics, 2006, 100, 094312.	2.5	53
13	Time-resolved thermal mirror for nanoscale surface displacement detection in low absorbing solids. Applied Physics Letters, 2007, 91, .	3.3	52
14	Thermal properties of natural nanostructured hydroxyapatite extracted from fish bone waste. Journal of Applied Physics, 2007, 101, 084701.	2.5	52
15	Characterization of thermo-optical and mechanical properties of calcium aluminosilicate glasses. Journal of Non-Crystalline Solids, 2006, 352, 3613-3617.	3.1	49
16	A step forward toward smart white lighting: Combination of glass phosphor and light emitting diodes. Applied Physics Letters, 2009, 95, .	3.3	46
17	Thermal relaxation method to determine the specific heat of optical glasses. Journal of Non-Crystalline Solids, 2002, 304, 299-305.	3.1	43
18	Thermal and optical characterization of the calcium phosphate biomaterial hydroxyapatite. Journal of Applied Physics, 1996, 79, 6848-6852.	2.5	41

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19	Neodymium concentration dependence of thermoâ€”optical properties in low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1997, 219, 165-169.	3.1	38
20	Real-time quantitative investigation of photochemical reaction using thermal lens measurements: Theory and experiment. Journal of Applied Physics, 2006, 100, 044906.	2.5	38
21	Energy transfer and the2.8â¯Î¼memission ofEr3+- andYb3+-doped low silica content calcium aluminate glasses. Physical Review B, 2000, 62, 3176-3180.	3.2	37
22	Rare-earth doped low silica calcium aluminosilicate glasses for near and mid infrared applications. Journal of Non-Crystalline Solids, 2000, 276, 8-18.	3.1	37
23	The temperature coefficient of the optical path length as a function of the temperature in different optical glasses. Journal of Non-Crystalline Solids, 2004, 348, 240-244.	3.1	37
24	Nanoscale surface displacement detection in high absorbing solids by time-resolved thermal mirror. Applied Physics Letters, 2008, 92, .	3.3	37
25	Long Fluorescence Lifetime of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ti</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>Ions in Low Silica Calcium Aluminosilicate Glass. Physical Review Letters, 2008, 100, 027402.	7.8	36
26	Voltammetric response of a copper(II) complex incorporated in silica-modified carbon-paste electrode. Analytica Chimica Acta, 1999, 385, 103-109.	5.4	35
27	Thermal lens scanning of the glass transition in polymers. Journal of Applied Physics, 2001, 89, 2220-2226.	2.5	35
28	Tunable color temperature of Ce^3+/Eu^2+, 3+ co-doped low silica aluminosilicate glasses for white lighting. Optics Express, 2012, 20, 10034.	3.4	35
29	Effects of Al3+ concentration on the optical, structural, photocatalytic and cytotoxic properties of Al-doped ZnO. Journal of Alloys and Compounds, 2017, 729, 978-987.	5.5	35
30	An open-photoacoustic-cell method for thermal characterization of a two-layer system. Journal of Applied Physics, 2010, 107, .	2.5	33
31	Structure and properties of water free Nd2O3 doped low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1999, 247, 196-202.	3.1	31
32	On the application of the photoacoustic methods for the determination of thermo-optical properties of polymers. Brazilian Journal of Physics, 2002, 32, 483-494.	1.4	31
33	Thermo-optical characterization of tellurite glasses by thermal lens, thermal relaxation calorimetry and interferometric methods. Journal of Non-Crystalline Solids, 2006, 352, 3603-3607.	3.1	30
34	Broad combined orange-red emissions from Eu^2+- and Eu^3+-doped low-silica calcium aluminosilicate glass. Optics Express, 2012, 20, 12658.	3.4	30
35	Spectroscopic assignments of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Ti</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup></mml:math>in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Ti</mml:mtext></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msup></mml:math>:sapphire and other titanium-doped crystals. Physical Review B, 2008, 78, .	3.2	28
36	Top-hat cw-laser-induced time-resolved mode-mismatched thermal lens spectroscopy for quantitative analysis of low-absorption materials. Optics Letters, 2008, 33, 1464.	3.3	28

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37	Preparation, Characterization, and Spectroscopic Properties of PC/PMMA Doped Blends: Study of the Effect of Rare-Earth Doping on Luminescence, Quenching Rate, and Lifetime Enhancement. Journal of Physical Chemistry B, 2010, 114, 5657-5660.	2.6	27
38	High fluorescence quantum efficiency of 1.8â€‚Î¼m emission in Tm-doped low silica calcium aluminate glass determined by thermal lens spectrometry. Applied Physics Letters, 2004, 84, 359-361.	3.3	26
39	Geometrical anisotropy dependence of thermal diffusivity in lyotropic nematics: Mode mismatched thermal lens measurements. Applied Physics Letters, 1996, 68, 3371-3373.	3.3	25
40	Temperature dependence of the thermo-optical properties of water determined by thermal lens spectrometry. Review of Scientific Instruments, 2003, 74, 808-810.	1.3	25
41	Preparation of Nd2O3-doped calcium aluminosilicate glasses and thermo-optical and mechanical characterization. Journal of Non-Crystalline Solids, 2008, 354, 4749-4754.	3.1	25
42	Emission tunability and local environment in europium-doped OHâ¯-free calcium aluminosilicate glasses for artificial lighting applications. Materials Chemistry and Physics, 2015, 156, 214-219.	4.0	25
43	Spectroscopic properties of polycarbonate and poly(methyl methacrylate) blends doped with europium (III) acetylacetonate. Journal of Luminescence, 2006, 117, 61-67.	3.1	24
44	Thermal lens study of energy transfer in Yb^3+/Tm^3+-co-doped glasses. Optics Express, 2007, 15, 9232.	3.4	24
45	Inversion in the change of the refractive index and memory effect near the nematic-isotropic phase transition in a lyotropic liquid crystal. Physical Review E, 2000, 61, 5410-5413.	2.1	23
46	Synthesis and characterization of ZnO/PET composite using supercritical carbon dioxide impregnation technology. Composites Part A: Applied Science and Manufacturing, 2011, 42, 757-761.	7.6	22
47	Evaluation of Photoprotective Potential and Percutaneous Penetration by Photoacoustic Spectroscopy of the Schinus terebinthifolius Raddi Extract. Photochemistry and Photobiology, 2015, 91, 558-566.	2.5	22
48	The accuracy of thermal wave interferometry for the evaluation of thermophysical properties of plasma-sprayed coatings. Measurement Science and Technology, 1995, 6, 1022-1027.	2.6	21
49	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
50	Differential thermal lens temperature scanning approach to glass transition analysis in polymers: application to polycarbonate. Journal Physics D: Applied Physics, 2001, 34, 407-412.	2.8	20
51	Enhanced and tunable white light emission from Ag nanoclusters and Eu³⁺-co-doped CaBAl glasses. RSC Advances, 2018, 8, 35263-35270.	3.6	20
52	Thermal lens spectrometry to study complex fluids. Brazilian Journal of Physics, 1998, 28, 00-00.	1.4	19
53	Top-hat cw laser induced thermal mirror: aÂcompleteÂmodel forÂmaterialÂcharacterization. Applied Physics B: Lasers and Optics, 2009, 94, 473-481.	2.2	19
54	Time resolved thermal lens in edible oils. Review of Scientific Instruments, 2003, 74, 694-696.	1.3	18

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55	Observation of laser induced photochemical reaction of Cr(VI) species in water during thermal lens measurements. Chemical Physics Letters, 2004, 396, 221-225.	2.6	18
56	Thermal Characterization In Vitro of Human Nail: Photoacoustic Study of the Aging Process. Photochemistry and Photobiology, 2007, 83, 1144-1148.	2.5	18
57	Fricke xylenol gel characterization using a photoacustic technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 484-488.	1.6	18
58	Photosensitizer and light diffusion through dentin in photodynamic therapy. Journal of Biomedical Optics, 2013, 18, 055004.	2.6	18
59	Thermo-mechanical and optical properties of calcium aluminosilicate glasses doped with Er3+ and Yb3+. Journal of Non-Crystalline Solids, 2000, 273, 239-245.	3.1	17
60	Thermal lens versus DTA measurements for glass transition analysis of fluoride glasses. Journal of Non-Crystalline Solids, 2002, 304, 315-321.	3.1	17
61	Band gap energy determination by photoacoustic spectroscopy under continuous light excitation. Applied Physics Letters, 2006, 89, 231926.	3.3	17
62	Open photoacoustic cell for thermal diffusivity measurements of a fast hardening cement used in dental restoring. Journal of Applied Physics, 2012, 111, .	2.5	17
63	Chemical Interaction Analysis of an Adhesive Containing 10-Methacryloyloxydecyl Dihydrogen Phosphate (10-MDP) With the Dentin in Noncarious Cervical Lesions. Operative Dentistry, 2017, 42, 357-366.	1.2	17
64	Photoacoustic spectroscopy to evaluate the penetration of sunscreens into human skinin vivo: A statistic treatment. Review of Scientific Instruments, 2003, 74, 758-760.	1.3	16
65	Energy-level and optical properties of nitrogen doped TiO2: An experimental and theoretical study. Applied Physics Letters, 2011, 99, .	3.3	16
66	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
67	Study on the observation of Eu²⁺and Eu³⁺valence states in low silica calcium aluminosilicate glasses. Journal of Physics Condensed Matter, 2010, 22, 055601.	1.8	15
68	Open photoacoustic cell x-ray detection. Applied Physics B: Lasers and Optics, 1989, 48, 269-272.	2.2	14
69	Phononâ€“roton-like elementary excitations and low-temperature behaviour of non-crystalline solids. Philosophical Magazine, 2006, 86, 227-235.	1.6	14
70	Thermal lens temperature scanning for quantitative measurements in complex fluids. Brazilian Journal of Physics, 2002, 32, 575-583.	1.4	13
71	Behavior of oxidation in the radiochromic gel dosimeter through photoacoustic technique measurements. Applied Radiation and Isotopes, 2007, 65, 605-609.	1.5	13
72	Thermal diffusivity of periderm from tomatoes of different maturity stages as determined by the concept of the frequency-domain open photoacoustic cell. Journal of Applied Physics, 2011, 109, .	2.5	13

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73	Thermal Lens Temperature Scanning technique for evaluation of oxidative stability and time of transesterification during biodiesel synthesis. Fuel, 2017, 202, 78-84.	6.4	13
74	Poly(ethylene terephtalate) films modified withN,N-dimethylacrylamide: Incorporation of disperse dye. Journal of Applied Polymer Science, 2000, 77, 269-282.	2.6	12
75	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
76	Photoacoustic spectroscopy to determine the optical properties of thin film 4H-SiC. Thin Solid Films, 2006, 515, 2821-2823.	1.8	12
77	Time resolved thermal lens measurements of the thermo-optical properties of Nd2O3-doped low silica calcium aluminosilicate glasses down to 4.3K. Journal of Non-Crystalline Solids, 2008, 354, 574-579.	3.1	12
78	High-temperature superconductor thin-film characterization by the modulated optical reflectance technique. Superconductor Science and Technology, 1995, 8, 667-672.	3.5	11
79	Simulation of solar Curie wheel using NiFe alloy and Gd. International Journal of Refrigeration, 2014, 37, 215-222.	3.4	11
80	Evaluation of the thermophysical properties of modified and dyed poly(ethylene terephthalate) films. Journal Physics D: Applied Physics, 2001, 34, 2248-2254.	2.8	10
81	The effect of porosity on thermal properties: towards a threshold of particle contact in sintered stainless steel. Journal of Physics Condensed Matter, 2005, 17, 1239-1249.	1.8	10
82	Percutaneous Penetration, Melanin Activation and Toxicity Evaluation of a Phytotherapic Formulation for Vitiligo Therapeutic. Photochemistry and Photobiology, 2007, 83, 1529-1536.	2.5	10
83	Temperature dependence of the Cr3+site axial distortion in LiSrAlF6and LiSrGaF6single crystals. Journal of Physics Condensed Matter, 2001, 13, 8435-8443.	1.8	9
84	Photoacoustic spectroscopy to evaluate the penetration rate of three different sunscreens into human skin in vivo. European Physical Journal Special Topics, 2005, 125, 757-759.	0.2	9
85	Luminescence quantum efficiency investigation of low silica calcium aluminosilicate glasses doped with Eu2O3 by thermal lens spectrometry. Journal of Non-Crystalline Solids, 2006, 352, 3624-3627.	3.1	9
86	Cobalt, nickel and ruthenium-silica based materials synthesized by the solâ€“gel method. Journal of Non-Crystalline Solids, 2008, 354, 4811-4815.	3.1	9
87	Ultraviolet (UVB and UVA) Photoprotector Activity and Percutaneous Penetration of Extracts Obtained from Arrabidaea chica. Applied Spectroscopy, 2013, 67, 1179-1184.	2.2	9
88	Eu2+,3+/Pr3+ co-doped calcium aluminosilicate glass for tunable white lighting devices. Journal of Alloys and Compounds, 2020, 817, 153319.	5.5	9
89	Photoacoustic study of cross-linking process in grafted polymer and copolymer based on ethylene and vinyltrimethoxy silane. Journal Physics D: Applied Physics, 2002, 35, 3240-3248.	2.8	8
90	Study of cross-linking process in grafted polyethylene and ethylene based copolymer using a phase resolved photoacoustic method. Review of Scientific Instruments, 2003, 74, 325-327.	1.3	8

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91	Thermal diffusivity anisotropy in calamitic-nematic lyotropic liquid crystal. Review of Scientific Instruments, 2003, 74, 822-824.	1.3	8
92	Thermo Optical Properties of Transparent PLZT 10/65/35 Ceramics. Ferroelectrics, 2006, 336, 191-196.	0.6	8
93	Thermal Lens and pH Measurements in Pure and Adulterated Brewed Coffee. Instrumentation Science and Technology, 2006, 34, 163-181.	1.8	8
94	High values of gain cross section and luminescence quantum efficiency in OH^â^'-free Ti^3+-doped low-silica calcium aluminosilicate glass. Optics Letters, 2010, 35, 1055.	3.3	8
95	Photoacoustic study of PET films and fibers dyed in supercritical CO2 reactor. Review of Scientific Instruments, 2003, 74, 328-330.	1.3	7
96	Photoacoustic spectroscopy to evaluate the penetration of two antifungal agents through the human nail. European Physical Journal Special Topics, 2005, 125, 631-633.	0.2	7
97	Statistical Design of Experiments: Study of Cross-Linking Process through the Phase-Resolved Photoacoustic Method as a Multivariable Response. Applied Spectroscopy, 2005, 59, 173-180.	2.2	7
98	Temperature and wavelength dependence of the thermo-optical properties of tellurite and chalcogenide glasses. Journal of Applied Physics, 2007, 102, 073507.	2.5	7
99	Angular dependence of the thermal-lens effect on LiSrAlF_6 and LiSrGaF_6 single crystals. Optics Letters, 2008, 33, 1720.	3.3	7
100	Thermal lens and interferometric method for glass transition and thermo physical properties measurements in Nd_2O_3 doped sodium zincborate glass. Optics Express, 2008, 16, 21248.	3.4	7
101	Composition Influence on the Thermo-optical Properties and Luminescence Efficiency of Europium-Doped Calcium Aluminosilicate Glasses. International Journal of Thermophysics, 2013, 34, 1666-1672.	2.1	7
102	Thermal diffusivity of palladium-hydrogen systems at room temperature using photothermal detection. Physical Review B, 1992, 45, 5031-5034.	3.2	6
103	The photoacoustic spectroscopy applied in the characterization of the cross-linking process in polymeric materials. Brazilian Journal of Physics, 2002, 32, 523-530.	1.4	6
104	Human nail thermal diffusivity obtained using the open photoacoustic cell technique. European Physical Journal Special Topics, 2005, 125, 657-660.	0.2	6
105	Semiclassical approximation for the specific heat of non-crystalline solids at intermediate temperatures. Philosophical Magazine, 2007, 87, 291-297.	1.6	6
106	Influence of temperature and excitation procedure on the athermal behavior of Nd3+-doped phosphate glass: Thermal lens, interferometric, and calorimetric measurements. Journal of Applied Physics, 2009, 106, .	2.5	6
107	Investigation of doped calcium aluminosilicate glass: A coupling between thermal-expansion and thermal-diffusion models for assessment of nonradiative relaxation time and characteristic diffusion time. Journal of Applied Physics, 2009, 106, .	2.5	6
108	Photoacoustic and photothermal and the photovoltaic efficiency of solar cells: A tutorial. Journal of Applied Physics, 2022, 131, .	2.5	6

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109	Monitoring the depth penetration of dyes in poly (ethylene terephthalate) films using a two layer based photoacoustic model. Brazilian Journal of Physics, 2002, 32, 516-522.	1.4	5
110	Study of layered and defective amorphous solids by means of thermal wave method. Journal of Non-Crystalline Solids, 2003, 318, 314-321.	3.1	5
111	Low temperature specific heat of doped and undoped glasses. Journal of Non-Crystalline Solids, 2006, 352, 3572-3576.	3.1	5
112	Immune response and Raman scattering assessment in rats skin after contact with Fusarium oxysporum metabolites. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 234, 118246.	3.9	5
113	Influence of agronomic and kernelâ€related properties on popping expansion in popcorn. Agronomy Journal, 2021, 113, 2260-2272.	1.8	5
114	Dynamics of the natural genesis of Î²-TCP/HAp phases in postnatal fishbones towards gold standard biocomposites for bone regeneration. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121407.	3.9	5
115	Thermal wave non-destructive thickness measurements of hydroxyapatite coatings applied to prosthetic hip stems. Journal of Materials Science: Materials in Medicine, 1995, 6, 335-339.	3.6	4
116	Piezo- and pyroelectric photothermal characterization of polymers as a function of temperature. Journal of Applied Polymer Science, 2001, 82, 2669-2678.	2.6	4
117	Photoacoustic spectroscopy for monitoring the dyeing process of poly(ethylene terephthalate). Analyst, The, 2002, 127, 310-314.	3.5	4
118	Thermal lens temperature scanning for quantitative measurements in transparent materials (invited). Review of Scientific Instruments, 2003, 74, 291-296.	1.3	4
119	Open Photoacoustic Cell study of thermal diffusivity of NafionÂ® as a function of water content. European Physical Journal Special Topics, 2005, 125, 383-386.	0.2	4
120	Photoacoustic investigation of copaiba oil. European Physical Journal: Special Topics, 2008, 153, 523-526.	2.6	4
121	Material characterization with top-hat cw laser induced photothermal techniques: A short review. Journal of Physics: Conference Series, 2010, 214, 012014.	0.4	4
122	Zinc oxide composites prepared by in situ process: UV barrier and luminescence properties. Materials Letters, 2014, 125, 75-77.	2.6	4
123	Thin-film of Nd³⁺â€“Yb³⁺ co-doped low silica calcium aluminosilicate glass grown by a laser deposition technique. Journal of Applied Physics, 2022, 131, 055304.	2.5	4
124	Production of Thermoplastic Towpregs and Towpreg-Based Composites. , 2005, , 189-213.		3
125	Boson elementary excitations and the specific heat of non-crystalline solids: A short review. Journal of Non-Crystalline Solids, 2006, 352, 3368-3379.	3.1	3
126	Fluorescence quantum efficiency in Nd₂O₃-doped aluminosilicate glasses by multiwavelength thermal lens method. European Physical Journal Special Topics, 2005, 125, 185-187.	0.2	3

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127	Photoacoustic Characterization of PC/PMMA blends doped with Eu(acac)3. European Physical Journal Special Topics, 2005, 125, 387-390.	0.2	2
128	Attempt for percentile analysis of food colorants with photoacoustic method. European Physical Journal Special Topics, 2005, 125, 829-832.	0.2	2
129	Temperature dependence of the thermo-optical properties of KDP single crystal measured by thermal relaxation and thermal lens methods. European Physical Journal Special Topics, 2005, 125, 391-394.	0.2	2
130	Numerical approach to determine the elastic modulus of sintered natural hydroxyapatite. Journal of Applied Physics, 2008, 104, .	2.5	2
131	Thermal lens determination of fluorescence quantum efficiency of³F₄level of Tm³⁺ions in solids. European Physical Journal Special Topics, 2005, 125, 193-196.	0.2	2
132	Microstructure effects on the thermal properties of vacuum sintered AISI 316L stainless steel. Review of Scientific Instruments, 2003, 74, 716-718.	1.3	1
133	Photoacoustic response in a multivariable dyeing process: Comparison between conventional aqueous and supercritical CO2used for impregnating PET films. European Physical Journal Special Topics, 2005, 125, 613-615.	0.2	1
134	Thermal properties of thin acrylic paints using thermal wave interferometry. European Physical Journal Special Topics, 2005, 125, 519-522.	0.2	1
135	Time resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20K. , 0, , .		1
136	Study of anisotropy in the temperature coefficient of the optical path length of axial single crystals using an interferometric technique. Journal Physics D: Applied Physics, 2008, 41, 245406.	2.8	1
137	A Step Forward Towards Smart White Lighting: Combination of Glass Phosphor and Blue LEDs. ECS Transactions, 2009, 25, 237-246.	0.5	1
138	Photoacoustic methods for in vitro study of kinetics progesterone release from the biodegradation of polyhydroxybutyrate/polycaprolactone used as intravaginal devices. Applied Physics Letters, 2013, 103, .	3.3	1
139	Photoacoustic for thermal diffusivity determination of fish scale: A methodology for environmental integrity monitoring. Journal of Photochemistry and Photobiology B: Biology, 2022, 227, 112379.	3.8	1
140	<title>Thermal-lens measurements of thermal diffusivity temperature dependence up to the glass transition in a fluoride glass</title>. , 1999, , .		0
141	<title>Thermal-lens measurements of fluorescence quantum efficiency in Nd+3-doped fluoride glasses</title>. , 1999, , .		0
142	Photoacoustic spectroscopy to evaluate the potentiality of bee-propolis as UV protector: In vivo test in humans. European Physical Journal Special Topics, 2005, 125, 681-683.	0.2	0
143	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
144	Thermo-optical properties of iron-doped low silica calcium aluminosilicate glasses determined by photothermal methods. European Physical Journal Special Topics, 2005, 125, 197-199.	0.2	0

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145	Thermal lens and photoacoustic spectroscopy to determine the thermo-optical properties of semiconductors. European Physical Journal Special Topics, 2005, 125, 181-183.	0.2	0
146	Photoacoustic spectroscopy and thermal relaxation method to evaluate corn moisture content. European Physical Journal Special Topics, 2005, 125, 857-860.	0.2	0
147	Optimization of dying variables in PET: Using thermal diffusivity response as a probe in a multivariable algorithm. European Physical Journal Special Topics, 2005, 125, 573-576.	0.2	0
148	Non-destructive thermal wave method applied to study thermal properties of fast setting time endodontic cement. Journal of Applied Physics, 2013, 114, 194701.	2.5	0
149	Effective Thermal Diffusivity Study of Powder Biocomposites via Photoacoustic Method. Brazilian Journal of Physics, 2015, 45, 525-531.	1.4	0
150	Comparison between TWI and OPC techniques for studying porous metallic slabs. European Physical Journal Special Topics, 2005, 125, 569-572.	0.2	0
151	Use of Photoacoustic Spectroscopy to Evaluate Photosensitizer Penetration into Dentin. , 2018, , .		0
152	Evaluation of a multiple microemulsion from Trichilia catigua extract and the percutaneous penetration through skin by Phase-Resolved photoacoustic spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 275, 121152.	3.9	0
153	Poly(ethylene terephtalate) films modified with N,Nâ€dimethylacrylamide: Incorporation of disperse dye. Journal of Applied Polymer Science, 2000, 77, 269-282.	2.6	0