

# Antonio Medina

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163  
papers

2,666  
citations

25  
h-index

44  
g-index

172  
ext. papers

2,967  
ext. citations

3.2  
avg. IF

4.53  
L-index

#	Paper	IF	Citations
163	Thin-film of Nd <sup>3+</sup> and Yb <sup>3+</sup> co-doped low silica calcium aluminosilicate glass grown by a laser deposition technique. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 055304	2.5	2
162	Photoacoustic and photothermal and the photovoltaic efficiency of solar cells: A tutorial. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 141101	2.5	2
161	Technique for Darkening of Extracted Teeth Simulating Pulpal Necrosis Discoloration.. <i>Clinical, Cosmetic and Investigational Dentistry</i> , <b>2022</b> , 14, 103-112	1.6	
160	Opalescence and color stability of composite resins: an in vitro longitudinal study. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	
159	Thermoelastic properties across martensitic transformation of Ni <sub>2</sub> MnGa Heusler alloy from time-resolved photothermal mirror. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 605, 412713	2.8	3
158	Thermal, optical and structural properties of relatively depolymerized sodium calcium silicate glass and glass-ceramic containing CaF <sub>2</sub> . <i>Ceramics International</i> , <b>2021</b> ,	5.1	2
157	Studies of the early stages of the dynamic setting process of chemically activated restorative glass-ionomer cements. <i>Biomaterial Investigations in Dentistry</i> , <b>2021</b> , 8, 39-47	2	
156	Molecular insight on the binding of stevia glycosides to bovine serum albumin. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 344, 109526	5	0
155	Eu <sup>2+</sup> -Nd <sup>3+</sup> co-doped glasses for solar spectrum modification via NUV/visible to NIR downconversion. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 888, 161484	5.7	
154	DSC analysis and evaluation of forces released on deactivation of 0.40-mm (0.016") orthodontic thermo-activated NiTi wires: An in vitro study. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , <b>2020</b> , 14, 12-18	1	
153	Chemical and physical characterization of Konjac glucomannan-based powders by FTIR and <sup>13</sup> C MAS NMR. <i>Powder Technology</i> , <b>2020</b> , 361, 610-616	5.2	12
152	High pressure effect on the short- and intermediate-range structure of depolymerized soda lime silicate glass: Insights from micro-Raman spectroscopy. <i>Vibrational Spectroscopy</i> , <b>2020</b> , 110, 103113	2.1	1
151	Thermal properties and crystallization mechanism of undoped and Nd <sup>3+</sup> -doped (xSiO <sub>2</sub> ) <sub>1-x</sub> (yAl <sub>2</sub> O <sub>3</sub> ) <sub>1-y</sub> CaO/MgO glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 140, 275-282	4.1	
150	Glass frits as an enabler in the production process of OH-free calcium aluminosilicate glasses. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 816, 152651	5.7	3
149	Chemical, Thermal, and Spectroscopic Analysis of Organomineral Fertilizer Residue Recovered from an Oxisol. <i>Soil Science Society of America Journal</i> , <b>2019</b> , 83, 409-418	2.5	4
148	Study of keratin hair of domestic cat under methionine and cystine experimental diet using FT-Raman spectroscopy. <i>Vibrational Spectroscopy</i> , <b>2019</b> , 100, 1-5	2.1	2
147	Effect of magnetic coupling on non-radiative relaxation time of Fe <sup>3+</sup> sites on LaAl <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> pigments. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 075101	2.5	3

146	Luminescence and upconversion processes in Er <sup>3+</sup> -doped tellurite glasses. <i>Journal of Luminescence</i> , <b>2018</b> , 201, 110-114	3.8	17
145	Fluorescence line narrowing and Judd-Ofelt theory analyses of Eu <sup>3+</sup> -doped low-silica calcium aluminosilicate glass and glass-ceramic. <i>Journal of Luminescence</i> , <b>2018</b> , 201, 123-128	3.8	9
144	Dy:Eu doped CaBAI glasses for white light applications. <i>Optical Materials</i> , <b>2018</b> , 76, 231-236	3.3	21
143	Challenges in luting fibre posts: Adhesion to the post and to the dentine. <i>Dental Materials</i> , <b>2018</b> , 34, 1054-1062	5.7	9
142	Combination of Histopathology and FT-Raman Spectroscopy for the Study of Experimental Paracoccidioidomycosis in the Spleen. <i>Photochemistry and Photobiology</i> , <b>2018</b> , 94, 88-94	3.6	2
141	Kondo temperature and Heavy Fermion behavior in Yb <sub>1-x</sub> CuAl series of alloys. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 176-181	2.8	1
140	Study of the chemical interaction between a high-viscosity glass ionomer cement and dentin. <i>Journal of Applied Oral Science</i> , <b>2018</b> , 26, e20170384	3.3	19
139	Evaluation of photosensitizer penetration into sound and decayed dentin: A photoacoustic spectroscopy study. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2018</b> , 21, 108-114	3.5	8
138	Evaluation of TeO content on the optical and spectroscopic properties of Yb-doped calcium borotellurite glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 193, 212-218	4.4	10
137	Enhanced and tunable white light emission from Ag nanoclusters and Eu-co-doped CaBAI glasses.. <i>RSC Advances</i> , <b>2018</b> , 8, 35263-35270	3.7	11
136	Optical and spectroscopic study of erbium doped calcium borotellurite glasses. <i>Optical Materials</i> , <b>2017</b> , 66, 211-219	3.3	43
135	Development of a technique for psyllium husk mucilage purification with simultaneous microencapsulation of curcumin. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182948	3.7	8
134	In situ structural analysis of calcium aluminosilicate glasses under high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 315402	1.8	12
133	Analytical method to estimate resin cement diffusion into dentin. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 55003	3.5	2
132	On the induction of homogeneous bulk crystallization in Eu-doped calcium aluminosilicate glass by applying simultaneous high pressure and temperature. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 245901	2.5	3
131	Production of hydrogen from bioethanol in Cu <sub>0.5</sub> Ni <sub>0.5</sub> /Nb <sub>x</sub> O <sub>y</sub> catalysts obtained by different preparation methods. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 8111-8119	6.7	5
130	Influence of the CeO <sub>2</sub> and Nb <sub>2</sub> O <sub>5</sub> supports and the inert gas in ethanol steam reforming for H <sub>2</sub> production. <i>Chemical Engineering Journal</i> , <b>2015</b> , 273, 66-74	14.7	21
129	Emission tunability and local environment in europium-doped OH <sup>-</sup> free calcium aluminosilicate glasses for artificial lighting applications. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 156, 214-219	4.4	19

128	Effective Thermal Diffusivity Study of Powder Biocomposites via Photoacoustic Method. <i>Brazilian Journal of Physics</i> , <b>2015</b> , 45, 525-531	1.2	
127	Insulin complexation with hydroxypropyl-beta-cyclodextrin: Spectroscopic evaluation of molecular inclusion and use of the complex in gel for healing of pressure ulcers. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 490, 229-39	6.5	15
126	Curcumin-β-cyclodextrin inclusion complex: stability, solubility, characterisation by FT-IR, FT-Raman, X-ray diffraction and photoacoustic spectroscopy, and food application. <i>Food Chemistry</i> , <b>2014</b> , 153, 361-70	8.5	302
125	Co-doped ZnO nanoparticles synthesized by an adapted sol-gel method: effects on the structural, optical, photocatalytic and antibacterial properties. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 72, 301-309	2.3	56
124	On the use of photothermal techniques to study NiTi phase transitions. <i>Materials Research Express</i> , <b>2014</b> , 1, 026502	1.7	2
123	Nd <sup>3+</sup> doped CAS glasses: A thermo-optical and spectroscopic investigation. <i>Optical Materials</i> , <b>2014</b> , 37, 531-536	3.3	9
122	Correlation between histopathological and FT-Raman spectroscopy analysis of the liver of Swiss mice infected with <i>Paracoccidioides brasiliensis</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e106256	3.7	6
121	Formulation and characterization of ethylcellulose microparticles containing .L-alanyl- L-glutamine peptide. <i>Drug Development and Industrial Pharmacy</i> , <b>2014</b> , 40, 1308-17	3.6	22
120	Zinc oxide composites prepared by in situ process: UV barrier and luminescence properties. <i>Materials Letters</i> , <b>2014</b> , 125, 75-77	3.3	3
119	The phase-resolved photoacoustic method to indicate chemical assignments of paracetamol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 121, 719-23	4.4	9
118	Anisotropic magnetocaloric effect in ErGa <sub>2</sub> and HoGa <sub>2</sub> single-crystals. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 582, 461-465	5.7	13
117	Eu <sup>2+</sup> -doped OH <sup>-</sup> free calcium aluminosilicate glass: A phosphor for smart lighting. <i>Journal of Luminescence</i> , <b>2013</b> , 143, 600-604	3.8	17
116	Hydrogen peroxide diffusion dynamics in dental tissues. <i>Journal of Dental Research</i> , <b>2013</b> , 92, 661-5	8.1	45
115	Composition Influence on the Thermo-optical Properties and Luminescence Efficiency of Europium-Doped Calcium Aluminosilicate Glasses. <i>International Journal of Thermophysics</i> , <b>2013</b> , 34, 1666-1672	2.1	7
114	On the microscopic mechanism for the stabilization of structural and ferroic states in displacive multiferroics. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 114105	2.5	9
113	Microencapsulation by freeze-drying of potassium norbixinate and curcumin with maltodextrin: stability, solubility, and food application. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 955-65	5.7	44
112	Bioactivity and structural properties of nanostructured bulk composites containing Nb <sub>2</sub> O <sub>5</sub> and natural hydroxyapatite. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 223505	2.5	16
111	A new approach to marine fish otoliths study: electron paramagnetic resonance. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2013</b> , 93, 1973-1980	1.1	3

110	Morphological and structural changes in lung tissue infected by <i>Paracoccidioides brasiliensis</i> : FTIR photoacoustic spectroscopy and histological analysis. <i>Photochemistry and Photobiology</i> , <b>2013</b> , 89, 1170-5 <sup>3.6</sup>	11
109	Non-destructive thermal wave method applied to study thermal properties of fast setting time endodontic cement. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 194701	2.5
108	Laser-induced lensing effects in solid-state optical refrigerators. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 141910	5
107	Photoacoustic methods for in vitro study of kinetics progesterone release from the biodegradation of polyhydroxybutyrate/polycaprolactone used as intravaginal devices. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 144104	3.4
106	Heat flow measurements and the order of the magnetic transition in (Dy,Gd)Co <sub>2</sub> solid solutions. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 513, 615-619	5.7 7
105	The influence of SiO <sub>2</sub> content on spectroscopic properties and laser emission efficiency of Yb <sup>3+</sup> -Er <sup>3+</sup> co-doped calcium aluminosilicate glasses. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 107, 415-420 <sup>1.9</sup>	18
104	Electrical field dependence of thermo-optical parameters in transparent lead lanthanum zirconated titanate ceramic: Thermal lens measurements. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 123517	2.5 2
103	Use of photoacoustic spectroscopy in the characterization of inclusion complexes of benzophenone-3-hydroxypropyl- $\beta$ -cyclodextrin and ex vivo evaluation of the percutaneous penetration of sunscreen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 79, 449-57	5.7 20
102	Spectroscopic properties, concentration quenching, and laser investigations of Yb <sup>3+</sup> -doped calcium aluminosilicate glasses. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 2510 <sup>1.7</sup>	32
101	Soret effect and photochemical reaction in liquids with laser-induced local heating. <i>Optics Express</i> , <b>2011</b> , 19, 4047-58	3.3 37
100	Temperature dependence of the thermophysical properties of Neodymium doped borate glasses. <i>Optical Materials</i> , <b>2011</b> , 33, 1563-1568	3.3 2
99	The structure and optical dispersion of the refractive index of tellurite glass. <i>Optical Materials</i> , <b>2011</b> , 33, 1569-1572	3.3 16
98	Extraction of sunflower ( <i>Heliantus annuus</i> L.) oil with supercritical CO <sub>2</sub> and subcritical propane: Experimental and modeling. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 262-268	14.7 84
97	Thermal diffusivity of periderm from tomatoes of different maturity stages as determined by the concept of the frequency-domain open photoacoustic cell. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 034703 <sup>2.5</sup>	9
96	Study of the magnetocaloric properties of the antiferromagnetic compounds RGa <sub>2</sub> (R = Ce, Pr, Nd, Dy, Ho and Er). <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 486002	1.8 10
95	Study on the observation of Eu <sup>2+</sup> and Eu <sup>3+</sup> valence states in low silica calcium aluminosilicate glasses. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 055601	1.8 13
94	Optical band-gap determination of nanostructured WO <sub>3</sub> film. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 061909	3.4 227
93	High values of gain cross section and luminescence quantum efficiency in OH(-)-free Ti <sup>3+</sup> -doped low-silica calcium aluminosilicate glass. <i>Optics Letters</i> , <b>2010</b> , 35, 1055-7	3 8

92	Photoacoustic spectroscopy as a tool for determination of food dyes: comparison with first derivative spectrophotometry. <i>Talanta</i> , <b>2010</b> , 81, 202-7	6.2	83
91	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. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5657-60	3.4	26
90	Thermal mirror and thermal lens techniques for semitransparent material characterization. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 214, 012016	0.3	3
89	Concentration dependent fluorescence quantum efficiency of neodymium doped phosphate glass matrix. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 2491-2494	3.8	14
88	Thermal annealing effects on the magnetic behavior of Ce <sub>2</sub> NiSi <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 3192-3195	2.8	12
87	Influence of temperature and excitation procedure on the athermal behavior of Nd <sup>3+</sup> -doped phosphate glass: Thermal lens, interferometric, and calorimetric measurements. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 073511	2.5	5
86	Inversion in the temperature coefficient of the optical path length close to the glass transition temperature in tellurite glasses. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 251903	3.4	6
85	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. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 093105	2.5	5
84	A study of pressure and chemical substitution effects on the magnetocaloric properties of the ferromagnetic compound UGa <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 276001	1.8	2
83	Magnetic properties of (Ce <sub>1-x</sub> La <sub>x</sub> )PdIn <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 3018-3020	2.8	2
82	A step forward toward smart white lighting: Combination of glass phosphor and light emitting diodes. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 081104	3.4	43
81	Thermal-lens study of photochemical reaction kinetics. <i>Optics Letters</i> , <b>2009</b> , 34, 3460-2	3	24
80	A utilização da técnica de lente térmica para a análise das propriedades térmicas de materiais transparentes. <i>Cerâmica</i> , <b>2009</b> , 55, 337-340	1	1
79	Spectroscopic assignments of Ti <sup>3+</sup> and Ti <sup>4+</sup> in titanium-doped OH <sup>-</sup> free low-silica calcium aluminosilicate glass and role of structural defects on the observed long lifetime and high fluorescence of Ti <sup>3+</sup> ions. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	22
78	Relations among nonbridging oxygen, optical properties, optical basicity, and color center formation in CaO/MgO aluminosilicate glasses. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 094910	2.5	51
77	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> , <b>2008</b> , 354, 574-579	3.9	7
76	Preparation of Nd <sub>2</sub> O <sub>3</sub> -doped calcium aluminosilicate glasses and thermo-optical and mechanical characterization. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 4749-4754	3.9	23
75	Angular dependence of the thermal-lens effect on LiSrAlF <sub>6</sub> and LiSrGaF <sub>6</sub> single crystals. <i>Optics Letters</i> , <b>2008</b> , 33, 1720-2	3	5

74	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> , <b>2008</b> , 16, 21248-55	3.3	6
73	Study of anisotropy in the temperature coefficient of the optical path length of axial single crystals using an interferometric technique. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 245406	3	1
72	Long fluorescence lifetime of Ti <sup>3+</sup> -doped low silica calcium aluminosilicate glass. <i>Physical Review Letters</i> , <b>2008</b> , 100, 027402	7.4	33
71	Evidence of mixed valence in single crystals. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 946-947	2.8	1
70	Evaluation of the thermal diffusivity of vegetable oils during frying by Thermal Lens Spectrometry. <i>European Physical Journal: Special Topics</i> , <b>2008</b> , 153, 531-534	2.3	8
69	Thermal properties of natural nanostructured hydroxyapatite extracted from fish bone waste. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 084701	2.5	47
68	Behavior of oxidation in the radiochromic gel dosimeter through photoacoustic technique measurements. <i>Applied Radiation and Isotopes</i> , <b>2007</b> , 65, 605-9	1.7	11
67	Thermal characterization in vitro of human nail: photoacoustic study of the aging process. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 83, 1144-8	3.6	14
66	Fricke xylenol gel characterization using a photoacoustic technique. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 582, 484-488	1.2	18
65	Transport and magnetic properties of Ce <sub>2</sub> NiIn <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 432, 34-38	5.7	14
64	Temperature and wavelength dependence of the thermo-optical properties of tellurite and chalcogenide glasses. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 073507	2.5	7
63	Real-time quantitative investigation of photochemical reaction using thermal lens measurements: Theory and experiment. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 044906	2.5	32
62	Application of the diffraction theory for photothermal deflection to the measurement of the temperature coefficient of the refractive index of a binary gas mixture. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 103107	2.5	10
61	Band gap energy determination by photoacoustic spectroscopy under continuous light excitation. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 231926	3.4	16
60	Characterization of natural nanostructured hydroxyapatite obtained from the bones of Brazilian river fish. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 094312	2.5	46
59	Phonon-like elementary excitations and low-temperature behaviour of non-crystalline solids. <i>Philosophical Magazine</i> , <b>2006</b> , 86, 227-235	1.6	14
58	Thermo Optical Properties of Transparent PLZT 10/65/35 Ceramics. <i>Ferroelectrics</i> , <b>2006</b> , 336, 191-196	0.6	7
57	Thermo-optical characterization of tellurite glasses by thermal lens, thermal relaxation calorimetry and interferometric methods. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 3603-3607	3.9	25

56	Low temperature specific heat of doped and undoped glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 3572-3576	3.9	5
55	Characterization of thermo-optical and mechanical properties of calcium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 3613-3617	3.9	43
54	Hydrocarbons from ethanol using [Fe,Al]ZSM-5 zeolites obtained by direct synthesis. <i>Applied Catalysis A: General</i> , <b>2006</b> , 311, 193-198	5.1	44
53	Statistical design of experiments: study of cross-linking process through the phase-resolved photoacoustic method as a multivariable response. <i>Applied Spectroscopy</i> , <b>2005</b> , 59, 173-80	3.1	7
52	The effect of porosity on thermal properties: towards a threshold of particle contact in sintered stainless steel. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 1239-1249	1.8	9
51	Time-resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20 K. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	49
50	Photoacoustic spectroscopy to evaluate the penetration rate of three different sunscreens into human skin in vivo. <i>European Physical Journal Special Topics</i> , <b>2005</b> , 125, 757-759		7
49	Open Photoacoustic Cell study of thermal diffusivity of Nafion <sup>®</sup> as a function of water content. <i>European Physical Journal Special Topics</i> , <b>2005</b> , 125, 383-386		3
48	Influence of probe beam multi-reflection on thermal lens measurements: Application to Nd:YAG rods. <i>European Physical Journal Special Topics</i> , <b>2005</b> , 125, 189-191		
47	Human nail thermal diffusivity obtained using the open photoacoustic cell technique. <i>European Physical Journal Special Topics</i> , <b>2005</b> , 125, 657-660		2
46	Magnetization and specific heat in U <sub>1-x</sub> LaxGa <sub>2</sub> and magnetocaloric effect in UGa <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10A921	2.5	7
45	Magnetic properties of the U <sub>1-x</sub> LaxPd <sub>2</sub> Ga <sub>3</sub> series of compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E1-E3	2.8	2
44	Effect of the chemical substitution on the magnetic properties of UGe <sub>2</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E11-E12	2.8	2
43	Observation of laser induced photochemical reaction of Cr(VI) species in water during thermal lens measurements. <i>Chemical Physics Letters</i> , <b>2004</b> , 396, 221-225	2.5	15
42	Time-resolved thermal lens determination of the thermo-optical coefficients in Nd-doped yttrium aluminum garnet as a function of temperature. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5183-5185	3.4	9
41	Thermo-optical properties measurements in chalcogenide glasses using thermal relaxation and thermal lens methods. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 348, 108-112	3.9	4
40	The temperature coefficient of the optical path length as a function of the temperature in different optical glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 348, 240-244	3.9	34
39	Thermal quenching of the fluorescence quantum efficiency in colquiriite crystals measured by thermal lens spectrometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2004</b> , 21, 1784	1.7	19



38	Magnetic properties of the U(Ge <sub>1-x</sub> Ni <sub>x</sub> ) <sub>2</sub> system. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7825-7827	2.5	2
37	Temperature dependence of the thermo-optical properties of water determined by thermal lens spectrometry. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 808-810	1.7	21
36	Time resolved thermal lens in edible oils. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 694-696	1.7	17
35	Photoacoustic study of PET films and fibers dyed in supercritical CO <sub>2</sub> reactor. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 328-330	1.7	5
34	4,4'-Dithiodipyridine as a bridging ligand in osmium and ruthenium complexes: the electron conductor ability of the -S-S- bridge. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 6898-906	5.1	9
33	Photoacoustic spectroscopy to evaluate the penetration of sunscreens into human skin in vivo: A statistic treatment. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 758-760	1.7	15
32	Microstructure effects on the thermal properties of vacuum sintered AISI 316L stainless steel. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 716-718	1.7	1
31	Study of cross-linking process in grafted polyethylene and ethylene based copolymer using a phase resolved photoacoustic method. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 325-327	1.7	8
30	Thermal lens temperature scanning for quantitative measurements in transparent materials (invited). <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 291-296	1.7	4
29	Monitoring the depth penetration of dyes in poly (ethylene terephthalate) films using a two layer based photoacoustic model. <i>Brazilian Journal of Physics</i> , <b>2002</b> , 32, 516-522	1.2	5
28	Thermal lens temperature scanning for quantitative measurements in complex fluids. <i>Brazilian Journal of Physics</i> , <b>2002</b> , 32, 575-583	1.2	12
27	On the application of the photoacoustic methods for the determination of thermo-optical properties of polymers. <i>Brazilian Journal of Physics</i> , <b>2002</b> , 32, 483-494	1.2	27
26	The photoacoustic spectroscopy applied in the characterization of the cross-linking process in polymeric materials. <i>Brazilian Journal of Physics</i> , <b>2002</b> , 32, 523-530	1.2	6
25	Magnetic properties of U(Ga <sub>1-x</sub> M <sub>x</sub> ) <sub>2</sub> with M=Cu, Al and Ge. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 312-313, 906-908	2.8	3
24	Photoacoustic study of cross-linking process in grafted polymer and copolymer based on ethylene and vinyltrimethoxy silane. <i>Journal Physics D: Applied Physics</i> , <b>2002</b> , 35, 3240-3248	3	8
23	Photoacoustic spectroscopy for monitoring the dyeing process of poly(ethylene terephthalate). <i>Analyst, The</i> , <b>2002</b> , 127, 310-314	5	4
22	Temperature dependence of fluorescence quantum efficiency of optical glasses determined by thermal lens spectrometry. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 304, 244-250	3.9	13
21	Thermal relaxation method to determine the specific heat of optical glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 304, 299-305	3.9	40

20	Thermal lens versus DTA measurements for glass transition analysis of fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 304, 315-321	3.9	15
19	Transport and thermodynamic properties of YbInNi <sub>4</sub> Cu <sub>x</sub> system. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 72-74	2.8	3
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15	Temperature dependence of the Cr <sup>3+</sup> site axial distortion in LiSrAlF <sub>6</sub> and LiSrGaF <sub>6</sub> single crystals. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 8435-8443	1.8	8
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1 Time resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20 K 1