

Antonio Medina

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163
papers

2,666
citations

25
h-index

44
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172
ext. papers

2,967
ext. citations

3.2
avg. IF

4.53
L-index

#	Paper	IF	Citations
163	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> , 2014 , 153, 361-70	8.5	302
162	Optical band-gap determination of nanostructured WO ₃ film. <i>Applied Physics Letters</i> , 2010 , 96, 061909	3.4	227
161	Extraction of sunflower (<i>Heliantus annuus</i> L.) oil with supercritical CO ₂ and subcritical propane: Experimental and modeling. <i>Chemical Engineering Journal</i> , 2011 , 168, 262-268	14.7	84
160	Photoacoustic spectroscopy as a tool for determination of food dyes: comparison with first derivative spectrophotometry. <i>Talanta</i> , 2010 , 81, 202-7	6.2	83
159	Nd ₂ O ₃ doped low silica calcium aluminosilicate glasses: Thermomechanical properties. <i>Journal of Applied Physics</i> , 1999 , 85, 8112-8118	2.5	68
158	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> , 2014 , 72, 301-309	2.3	56
157	Relations among nonbridging oxygen, optical properties, optical basicity, and color center formation in CaO-MgO aluminosilicate glasses. <i>Journal of Applied Physics</i> , 2008 , 104, 094910	2.5	51
156	Time-resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20 K. <i>Physical Review B</i> , 2005 , 71,	3.3	49
155	Thermal properties of natural nanostructured hydroxyapatite extracted from fish bone waste. <i>Journal of Applied Physics</i> , 2007 , 101, 084701	2.5	47
154	Characterization of natural nanostructured hydroxyapatite obtained from the bones of Brazilian river fish. <i>Journal of Applied Physics</i> , 2006 , 100, 094312	2.5	46
153	Hydrogen peroxide diffusion dynamics in dental tissues. <i>Journal of Dental Research</i> , 2013 , 92, 661-5	8.1	45
152	Microencapsulation by freeze-drying of potassium norbixinate and curcumin with maltodextrin: stability, solubility, and food application. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 955-65	5.7	44
151	Hydrocarbons from ethanol using [Fe,Al]ZSM-5 zeolites obtained by direct synthesis. <i>Applied Catalysis A: General</i> , 2006 , 311, 193-198	5.1	44
150	Optical and spectroscopic study of erbium doped calcium borotellurite glasses. <i>Optical Materials</i> , 2017 , 66, 211-219	3.3	43
149	A step forward toward smart white lighting: Combination of glass phosphor and light emitting diodes. <i>Applied Physics Letters</i> , 2009 , 95, 081104	3.4	43
148	Characterization of thermo-optical and mechanical properties of calcium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3613-3617	3.9	43
147	Thermal relaxation method to determine the specific heat of optical glasses. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 299-305	3.9	40

146	Soret effect and photochemical reaction in liquids with laser-induced local heating. <i>Optics Express</i> , 2011 , 19, 4047-58	3.3	37
145	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> , 2004 , 348, 240-244	3.9	34
144	Thermal lens scanning of the glass transition in polymers. <i>Journal of Applied Physics</i> , 2001 , 89, 2220-2226.	2.5	34
143	Long fluorescence lifetime of Ti ³⁺ -doped low silica calcium aluminosilicate glass. <i>Physical Review Letters</i> , 2008 , 100, 027402	7.4	33
142	Spectroscopic properties, concentration quenching, and laser investigations of Yb ³⁺ -doped calcium aluminosilicate glasses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 2510-7	1.7	32
141	Real-time quantitative investigation of photochemical reaction using thermal lens measurements: Theory and experiment. <i>Journal of Applied Physics</i> , 2006 , 100, 044906	2.5	32
140	On the application of the photoacoustic methods for the determination of thermo-optical properties of polymers. <i>Brazilian Journal of Physics</i> , 2002 , 32, 483-494	1.2	27
139	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> , 2010 , 114, 5657-60	3.4	26
138	Thermo-optical characterization of tellurite glasses by thermal lens, thermal relaxation calorimetry and interferometric methods. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3603-3607	3.9	25
137	Thermal-lens study of photochemical reaction kinetics. <i>Optics Letters</i> , 2009 , 34, 3460-2	3	24
136	Preparation of Nd ₂ O ₃ -doped calcium aluminosilicate glasses and thermo-optical and mechanical characterization. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 4749-4754	3.9	23
135	Formulation and characterization of ethylcellulose microparticles containing .L-alanyl- L-glutamine peptide. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 1308-17	3.6	22
134	Spectroscopic assignments of Ti ³⁺ and Ti ⁴⁺ in titanium-doped OH ⁻ free low-silica calcium aluminosilicate glass and role of structural defects on the observed long lifetime and high fluorescence of Ti ³⁺ ions. <i>Physical Review B</i> , 2008 , 78,	3.3	22
133	Influence of the CeO ₂ and Nb ₂ O ₅ supports and the inert gas in ethanol steam reforming for H ₂ production. <i>Chemical Engineering Journal</i> , 2015 , 273, 66-74	14.7	21
132	Dy:Eu doped CaBAL glasses for white light applications. <i>Optical Materials</i> , 2018 , 76, 231-236	3.3	21
131	Temperature dependence of the thermo-optical properties of water determined by thermal lens spectrometry. <i>Review of Scientific Instruments</i> , 2003 , 74, 808-810	1.7	21
130	Use of photoacoustic spectroscopy in the characterization of inclusion complexes of benzophenone-3-hydroxypropyl-β-cyclodextrin and ex vivo evaluation of the percutaneous penetration of sunscreen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 449-57	5.7	20
129	Resonant microwave cavity response of amorphous ribbons. <i>Journal of Applied Physics</i> , 1996 , 79, 5462	2.5	20

128	Emission tunability and local environment in europium-doped OH ⁻ free calcium aluminosilicate glasses for artificial lighting applications. <i>Materials Chemistry and Physics</i> , 2015 , 156, 214-219	4.4	19
127	Study of the chemical interaction between a high-viscosity glass ionomer cement and dentin. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20170384	3.3	19
126	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> , 2004 , 21, 1784	1.7	19
125	The influence of SiO ₂ content on spectroscopic properties and laser emission efficiency of Yb ³⁺ -Er ³⁺ co-doped calcium aluminosilicate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 107, 415-420	1.9	18
124	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> , 2007 , 582, 484-488	1.2	18
123	Luminescence and upconversion processes in Er ³⁺ -doped tellurite glasses. <i>Journal of Luminescence</i> , 2018 , 201, 110-114	3.8	17
122	Eu ²⁺ -doped OH ⁻ free calcium aluminosilicate glass: A phosphor for smart lighting. <i>Journal of Luminescence</i> , 2013 , 143, 600-604	3.8	17
121	Time resolved thermal lens in edible oils. <i>Review of Scientific Instruments</i> , 2003 , 74, 694-696	1.7	17
120	Bioactivity and structural properties of nanostructured bulk composites containing Nb ₂ O ₅ and natural hydroxyapatite. <i>Journal of Applied Physics</i> , 2013 , 113, 223505	2.5	16
119	The structure and optical dispersion of the refractive index of tellurite glass. <i>Optical Materials</i> , 2011 , 33, 1569-1572	3.3	16
118	Band gap energy determination by photoacoustic spectroscopy under continuous light excitation. <i>Applied Physics Letters</i> , 2006 , 89, 231926	3.4	16
117	Differential thermal lens temperature scanning approach to glass transition analysis in polymers: application to polycarbonate. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 407-412	3	16
116	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> , 2015 , 490, 229-39	6.5	15
115	Observation of laser induced photochemical reaction of Cr(VI) species in water during thermal lens measurements. <i>Chemical Physics Letters</i> , 2004 , 396, 221-225	2.5	15
114	Photoacoustic spectroscopy to evaluate the penetration of sunscreens into human skin in vivo: A statistic treatment. <i>Review of Scientific Instruments</i> , 2003 , 74, 758-760	1.7	15
113	Thermal lens versus DTA measurements for glass transition analysis of fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 315-321	3.9	15
112	Effect of volume variation on the properties of the Kondo system (La _{1-x} Ce _x) ₃ Al. <i>Physical Review B</i> , 1998 , 57, 5900-5905	3.3	15
111	Concentration dependent fluorescence quantum efficiency of neodymium doped phosphate glass matrix. <i>Journal of Luminescence</i> , 2010 , 130, 2491-2494	3.8	14

110	Thermal characterization in vitro of human nail: photoacoustic study of the aging process. <i>Photochemistry and Photobiology</i> , 2007 , 83, 1144-8	3.6	14
109	Transport and magnetic properties of Ce ₂ NiIn ₃ . <i>Journal of Alloys and Compounds</i> , 2007 , 432, 34-38	5.7	14
108	Phonon-like elementary excitations and low-temperature behaviour of non-crystalline solids. <i>Philosophical Magazine</i> , 2006 , 86, 227-235	1.6	14
107	Anisotropic magnetocaloric effect in ErGa ₂ and HoGa ₂ single-crystals. <i>Journal of Alloys and Compounds</i> , 2014 , 582, 461-465	5.7	13
106	Study on the observation of Eu ²⁺ and Eu ³⁺ valence states in low silica calcium aluminosilicate glasses. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 055601	1.8	13
105	Temperature dependence of fluorescence quantum efficiency of optical glasses determined by thermal lens spectrometry. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 244-250	3.9	13
104	In situ structural analysis of calcium aluminosilicate glasses under high pressure. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 315402	1.8	12
103	Thermal annealing effects on the magnetic behavior of Ce ₂ NiSi ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 3192-3195	2.8	12
102	Thermal lens temperature scanning for quantitative measurements in complex fluids. <i>Brazilian Journal of Physics</i> , 2002 , 32, 575-583	1.2	12
101	Chemical and physical characterization of Konjac glucomannan-based powders by FTIR and ¹³ C MAS NMR. <i>Powder Technology</i> , 2020 , 361, 610-616	5.2	12
100	Morphological and structural changes in lung tissue infected by <i>Paracoccidioides brasiliensis</i> : FTIR photoacoustic spectroscopy and histological analysis. <i>Photochemistry and Photobiology</i> , 2013 , 89, 1170-5	3.6	11
99	Behavior of oxidation in the radiochromic gel dosimeter through photoacoustic technique measurements. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 605-9	1.7	11
98	Enhanced and tunable white light emission from Ag nanoclusters and Eu-co-doped CaBaAl glasses.. <i>RSC Advances</i> , 2018 , 8, 35263-35270	3.7	11
97	Study of the magnetocaloric properties of the antiferromagnetic compounds RGe ₂ (R = Ce, Pr, Nd, Dy, Ho and Er). <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 486002	1.8	10
96	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> , 2006 , 99, 103107	2.5	10
95	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> , 2018 , 193, 212-218	4.4	10
94	Fluorescence line narrowing and Judd-Ofelt theory analyses of Eu ³⁺ -doped low-silica calcium aluminosilicate glass and glass-ceramic. <i>Journal of Luminescence</i> , 2018 , 201, 123-128	3.8	9
93	Challenges in luting fibre posts: Adhesion to the post and to the dentine. <i>Dental Materials</i> , 2018 , 34, 1054-1062	5.7	9

92	Nd ³⁺ doped CAS glasses: A thermo-optical and spectroscopic investigation. <i>Optical Materials</i> , 2014 , 37, 531-536	3.3	9
91	On the microscopic mechanism for the stabilization of structural and ferroic states in displacive multiferroics. <i>Journal of Applied Physics</i> , 2013 , 113, 114105	2.5	9
90	The phase-resolved photoacoustic method to indicate chemical assignments of paracetamol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 719-23	4.4	9
89	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> , 2011 , 109, 034703	2.5	9
88	The effect of porosity on thermal properties: towards a threshold of particle contact in sintered stainless steel. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 1239-1249	1.8	9
87	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> , 2004 , 84, 5183-5185	3.4	9
86	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> , 2003 , 42, 6898-906	5.1	9
85	High values of gain cross section and luminescence quantum efficiency in OH(-)-free Ti ³⁺ -doped low-silica calcium aluminosilicate glass. <i>Optics Letters</i> , 2010 , 35, 1055-7	3	8
84	Evolution of the electronic specific heat of (La _{1-x} Ce _x) ₃ Al. <i>Journal of Applied Physics</i> , 1997 , 81, 4179-4181	2.5	8
83	Evaluation of the thermal diffusivity of vegetable oils during frying by Thermal Lens Spectrometry. <i>European Physical Journal: Special Topics</i> , 2008 , 153, 531-534	2.3	8
82	Study of cross-linking process in grafted polyethylene and ethylene based copolymer using a phase resolved photoacoustic method. <i>Review of Scientific Instruments</i> , 2003 , 74, 325-327	1.7	8
81	Magnetic phase diagram of U(Ga _{1-x} Cu _x) ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1312-1314	2.8	8
80	Temperature dependence of the Cr ³⁺ -site axial distortion in LiSrAlF ₆ and LiSrGaF ₆ single crystals. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 8435-8443	1.8	8
79	Photoacoustic study of cross-linking process in grafted polymer and copolymer based on ethylene and vinyltrimethoxy silane. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 3240-3248	3	8
78	Development of a technique for psyllium husk mucilage purification with simultaneous microencapsulation of curcumin. <i>PLoS ONE</i> , 2017 , 12, e0182948	3.7	8
77	Evaluation of photosensitizer penetration into sound and decayed dentin: A photoacoustic spectroscopy study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018 , 21, 108-114	3.5	8
76	Composition Influence on the Thermo-optical Properties and Luminescence Efficiency of Europium-Doped Calcium Aluminosilicate Glasses. <i>International Journal of Thermophysics</i> , 2013 , 34, 1666-1672	2.1	7
75	Heat flow measurements and the order of the magnetic transition in (Dy,Gd)Co ₂ solid solutions. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 615-619	5.7	7

74	Determination of electron paramagnetic resonance parameters for osmium(III) low-spin systems using graphical solutions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 2105-2111		7
73	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	3.9	7
72	Temperature and wavelength dependence of the thermo-optical properties of tellurite and chalcogenide glasses. <i>Journal of Applied Physics</i> , 2007 , 102, 073507	2.5	7
71	Statistical design of experiments: study of cross-linking process through the phase-resolved photoacoustic method as a multivariable response. <i>Applied Spectroscopy</i> , 2005 , 59, 173-80	3.1	7
70	Thermo Optical Properties of Transparent PLZT 10/65/35 Ceramics. <i>Ferroelectrics</i> , 2006 , 336, 191-196	0.6	7
69	Photoacoustic spectroscopy to evaluate the penetration rate of three different sunscreens into human skin in vivo. <i>European Physical Journal Special Topics</i> , 2005 , 125, 757-759		7
68	Magnetization and specific heat in U _{1-x} La _x Ga ₂ and magnetocaloric effect in UGa ₂ . <i>Journal of Applied Physics</i> , 2005 , 97, 10A921	2.5	7
67	Unusual behavior of the Kondo temperature of La _{1-x} Y _b Cu ₃ Al ₂ . <i>Physical Review B</i> , 2001 , 63,	3.3	7
66	Correlation between histopathological and FT-Raman spectroscopy analysis of the liver of Swiss mice infected with <i>Paracoccidiodies brasiliensis</i> . <i>PLoS ONE</i> , 2014 , 9, e106256	3.7	6
65	Inversion in the temperature coefficient of the optical path length close to the glass transition temperature in tellurite glasses. <i>Applied Physics Letters</i> , 2009 , 94, 251903	3.4	6
64	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, 21248-55	3.3	6
63	The photoacoustic spectroscopy applied in the characterization of the cross-linking process in polymeric materials. <i>Brazilian Journal of Physics</i> , 2002 , 32, 523-530	1.2	6
62	Change of the Kondo regime in CePd ₂ Al ₃ induced by chemical substitution: Verification of the Doniach diagram. <i>Physical Review B</i> , 1999 , 59, 8738-8744	3.3	6
61	Laser-induced lensing effects in solid-state optical refrigerators. <i>Applied Physics Letters</i> , 2013 , 102, 141910	3.4	5
60	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, 073511	2.5	5
59	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> , 2009 , 106, 093105	2.5	5
58	Angular dependence of the thermal-lens effect on LiSrAlF ₆ and LiSrGaF ₆ single crystals. <i>Optics Letters</i> , 2008 , 33, 1720-2	3	5
57	Low temperature specific heat of doped and undoped glasses. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3572-3576	3.9	5

56	Photoacoustic study of PET films and fibers dyed in supercritical CO ₂ reactor. <i>Review of Scientific Instruments</i> , 2003 , 74, 328-330	1.7	5
55	Monitoring the depth penetration of dyes in poly (ethylene terephthalate) films using a two layer based photoacoustic model. <i>Brazilian Journal of Physics</i> , 2002 , 32, 516-522	1.2	5
54	Evaluation of the thermophysical properties of modified and dyed poly(ethylene terephthalate) films. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2248-2254	3	5
53	Production of hydrogen from bioethanol in Cu _x Ni _{1-x} /Nb _x O _y catalysts obtained by different preparation methods. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8111-8119	6.7	5
52	Chemical, Thermal, and Spectroscopic Analysis of Organomineral Fertilizer Residue Recovered from an Oxisol. <i>Soil Science Society of America Journal</i> , 2019 , 83, 409-418	2.5	4
51	Thermal lens temperature scanning for quantitative measurements in transparent materials (invited). <i>Review of Scientific Instruments</i> , 2003 , 74, 291-296	1.7	4
50	Thermo-optical properties measurements in chalcogenide glasses using thermal relaxation and thermal lens methods. <i>Journal of Non-Crystalline Solids</i> , 2004 , 348, 108-112	3.9	4
49	Photoacoustic spectroscopy for monitoring the dyeing process of poly(ethylene terephthalate). <i>Analyst, The</i> , 2002 , 127, 310-314	5	4
48	Effect of magnetic coupling on non-radiative relaxation time of Fe ³⁺ sites on LaAl _{1-x} Fe _x O ₃ pigments. <i>Journal of Applied Physics</i> , 2018 , 123, 075101	2.5	3
47	Zinc oxide composites prepared by in situ process: UV barrier and luminescence properties. <i>Materials Letters</i> , 2014 , 125, 75-77	3.3	3
46	A new approach to marine fish otoliths study: electron paramagnetic resonance. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013 , 93, 1973-1980	1.1	3
45	Thermal mirror and thermal lens techniques for semitransparent material characterization. <i>Journal of Physics: Conference Series</i> , 2010 , 214, 012016	0.3	3
44	Magnetic properties of U(Ga _{1-x} M _x) ₂ with M=Cu, Al and Ge. <i>Physica B: Condensed Matter</i> , 2002 , 312-313, 906-908	2.8	3
43	Open Photoacoustic Cell study of thermal diffusivity of Nafion [®] as a function of water content. <i>European Physical Journal Special Topics</i> , 2005 , 125, 383-386		3
42	Transport and thermodynamic properties of YbInNi _{4-x} Cu _x system. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 72-74	2.8	3
41	Transition from Kondo to intermediate valence regime in : an ESR study. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 9763-9768	1.8	3
40	Thermoelastic properties across martensitic transformation of Ni ₂ MnGa Heusler alloy from time-resolved photothermal mirror. <i>Physica B: Condensed Matter</i> , 2021 , 605, 412713	2.8	3
39	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> , 2016 , 119, 245901	2.5	3

38	Glass frits as an enabler in the production process of OH ⁻ free calcium aluminosilicate glasses. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152651	5.7	3
37	Combination of Histopathology and FT-Raman Spectroscopy for the Study of Experimental Paracoccidioidomycosis in the Spleen. <i>Photochemistry and Photobiology</i> , 2018 , 94, 88-94	3.6	2
36	On the use of photothermal techniques to study NiTi phase transitions. <i>Materials Research Express</i> , 2014 , 1, 026502	1.7	2
35	Electrical field dependence of thermo-optical parameters in transparent lead lanthanum zirconated titanate ceramic: Thermal lens measurements. <i>Journal of Applied Physics</i> , 2011 , 110, 123517	2.5	2
34	Temperature dependence of the thermophysical properties of Neodymium doped borate glasses. <i>Optical Materials</i> , 2011 , 33, 1563-1568	3.3	2
33	A study of pressure and chemical substitution effects on the magnetocaloric properties of the ferromagnetic compound UGa ₂ . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 276001	1.8	2
32	Magnetic properties of (Ce _{1-x} La _x)PdIn ₂ . <i>Physica B: Condensed Matter</i> , 2009 , 404, 3018-3020	2.8	2
31	Magnetic properties of the U(Ge _{1-x} Ni _x) ₂ system. <i>Journal of Applied Physics</i> , 2003 , 93, 7825-7827	2.5	2
30	Magnetic properties of the U _{1-x} La _x Pd ₂ Ga ₃ series of compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1-E3	2.8	2
29	Effect of the chemical substitution on the magnetic properties of UGe ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E11-E12	2.8	2
28	Human nail thermal diffusivity obtained using the open photoacoustic cell technique. <i>European Physical Journal Special Topics</i> , 2005 , 125, 657-660		2
27	Thin-film of Nd ³⁺ +Yb ³⁺ co-doped low silica calcium aluminosilicate glass grown by a laser deposition technique. <i>Journal of Applied Physics</i> , 2022 , 131, 055304	2.5	2
26	Analytical method to estimate resin cement diffusion into dentin. <i>Journal of Biomedical Optics</i> , 2016 , 21, 55003	3.5	2
25	Thermal, optical and structural properties of relatively depolymerized sodium calcium silicate glass and glass-ceramic containing CaF ₂ . <i>Ceramics International</i> , 2021 ,	5.1	2
24	Study of keratin hair of domestic cat under methionine and cystine experimental diet using FT-Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2019 , 100, 1-5	2.1	2
23	Photoacoustic and photothermal and the photovoltaic efficiency of solar cells: A tutorial. <i>Journal of Applied Physics</i> , 2022 , 131, 141101	2.5	2
22	Kondo temperature and Heavy Fermion behavior in Yb _{1-x} Y _x CuAl series of alloys. <i>Physica B: Condensed Matter</i> , 2018 , 536, 176-181	2.8	1
21	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> , 2008 , 41, 245406	3	1

20	A utilização da técnica de lente térmica para a análise das propriedades térmicas de materiais transparentes. <i>Ceramica</i> , 2009 , 55, 337-340	1	1
19	Evidence of mixed valence in single crystals. <i>Physica B: Condensed Matter</i> , 2008 , 403, 946-947	2.8	1
18	Microstructure effects on the thermal properties of vacuum sintered AISI 316L stainless steel. <i>Review of Scientific Instruments</i> , 2003 , 74, 716-718	1.7	1
17	Time resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20 K		1
16	Exchange parameter estimation and spin fluctuation time behavior in (La _{1-x} Th _x) ₃ Al. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1141-1142	2.8	1
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