

# Mauro L Baesso

## List of Publications by Citations

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331  
papers

6,354  
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40  
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61  
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357  
ext. papers

7,089  
ext. citations

3.4  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
331	Curcumin- $\beta$ -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
330	Optical band-gap determination of nanostructured WO <sub>3</sub> film. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 061909	3.4	227
329	Mode-mismatched thermal lens determination of temperature coefficient of optical path length in soda lime glass at different wavelengths. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 3732-3737	2.5	160
328	Antibacterial photodynamic therapy for dental caries: evaluation of the photosensitizers used and light source properties. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2012</b> , 9, 122-31	3.5	131
327	Thermal lens and Z-scan measurements: Thermal and optical properties of laser glasses [A review]. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 3582-3597	3.9	118
326	Mode-mismatched thermal lens spectrometry for thermo-optical properties measurement in optical glasses: a review. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 273, 215-227	3.9	114
325	Absolute thermal lens method to determine fluorescence quantum efficiency and concentration quenching of solids. <i>Physical Review B</i> , <b>1998</b> , 57, 10545-10549	3.3	105
324	Three-dimensional model for cw laser-induced mode-mismatched dual-beam thermal lens spectrometry and time-resolved measurements of thin-film samples. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 3738-3748	2.5	89
323	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
322	On the observation of 2.8 $\mu$ m emission from diode-pumped Er <sup>3+</sup> - and Yb <sup>3+</sup> -doped low silica calcium aluminate glasses. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 908-910	3.4	80
321	Time-resolved thermal lens measurement of thermal diffusivity of soda-lime glass. <i>Chemical Physics Letters</i> , <b>1992</b> , 197, 255-258	2.5	74
320	Temperature dependence of thermo-optical properties of fluoride glasses determined by thermal lens spectrometry. <i>Physical Review B</i> , <b>1999</b> , 60, 15173-15178	3.3	71
319	Spectroscopic and glass transition studies on Nd <sup>3+</sup> -doped sodium zincborate glasses. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 337, 249-254	2.8	69
318	Nd <sub>2</sub> O <sub>3</sub> doped low silica calcium aluminosilicate glasses: Thermomechanical properties. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 8112-8118	2.5	68
317	Photocatalytic reduction of Hg(II) on TiO <sub>2</sub> and Ag/TiO <sub>2</sub> prepared by the sol-gel and impregnation methods. <i>Desalination</i> , <b>2011</b> , 270, 241-247	10.3	66
316	Pump-power-controlled luminescence switching in Yb <sup>3+</sup> -Tm <sup>3+</sup> codoped water-free low silica calcium aluminosilicate glasses. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 071102	3.4	62
315	Inhibition of salivary and pancreatic $\alpha$ -amylases by a pinh $\beta$ coat (Araucaria angustifolia) extract rich in condensed tannin. <i>Food Research International</i> , <b>2014</b> , 56, 1-8	7	61

314	Transformation of ethanol into hydrocarbons on ZSM-5 zeolites modified with iron in different ways. <i>Fuel</i> , <b>2008</b> , 87, 1628-1636	7.1	60
313	Unravelling the effects of radiation forces in water. <i>Nature Communications</i> , <b>2014</b> , 5, 4363	17.4	58
312	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
311	Laser emission at 1077 nm in Nd <sup>3+</sup> -doped calcium aluminosilicate glass. <i>Applied Physics B: Lasers and Optics</i> , <b>2003</b> , 77, 59-63	1.9	54
310	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
309	Multiwavelength thermal lens determination of fluorescence quantum efficiency of solids: Application to Nd <sup>3+</sup> -doped fluoride glass. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 3220-3222	3.4	50
308	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
307	Dynamics of reepithelialisation and penetration rate of a bee propolis formulation during cutaneous wounds healing. <i>Analytica Chimica Acta</i> , <b>2009</b> , 635, 115-20	6.6	48
306	Time-resolved thermal mirror for nanoscale surface displacement detection in low absorbing solids. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 191908	3.4	48
305	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
304	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
303	Hydrogen peroxide diffusion dynamics in dental tissues. <i>Journal of Dental Research</i> , <b>2013</b> , 92, 661-5	8.1	45
302	Obtaining hydrocarbons from ethanol over iron-modified ZSM-5 zeolites. <i>Fuel</i> , <b>2005</b> , 84, 2064-2070	7.1	45
301	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
300	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
299	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
298	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
297	Tunable light emission and similarities with garnet structure of Ce-doped LSCAS glass for white-light devices. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 510, 54-59	5.7	41

296	Thermal lens determination of the temperature coefficient of optical path length in optical materials. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 877-880	1.7	41
295	Thermal properties measurements in biodiesel oils using photothermal techniques. <i>Chemical Physics Letters</i> , <b>2005</b> , 411, 18-22	2.5	41
294	Spectroscopic properties of water free Nd <sub>2</sub> O <sub>3</sub> -doped low silica calcium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 277, 73-81	3.9	41
293	Time-resolved thermal mirror method: A theoretical study. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 053520	2.5	40
292	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
291	Butter cholesterol removal using different complexation methods with beta-cyclodextrin, and the contribution of photoacoustic spectroscopy to the evaluation of the complex. <i>Food Research International</i> , <b>2010</b> , 43, 1104-1110	7	39
290	Time-resolved thermal lens and thermal mirror spectroscopy with sample-fluid heat coupling: a complete model for material characterization. <i>Applied Spectroscopy</i> , <b>2011</b> , 65, 99-104	3.1	38
289	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
288	Thermal lens spectroscopy of Nd:YAG. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 034104	3.4	37
287	Discrimination between electronic and thermal contributions to the nonlinear refractive index of SrAlF <sub>5</sub> :Cr <sup>3+</sup> . <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1999</b> , 16, 395	1.7	37
286	Mechanisms of optical losses in the 5D <sub>4</sub> and 5D <sub>3</sub> levels in Tb <sup>3+</sup> doped low silica calcium aluminosilicate glasses. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 053102	2.5	35
285	Nanoscale surface displacement detection in high absorbing solids by time-resolved thermal mirror. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 131903	3.4	34
284	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
283	Thermal lens scanning of the glass transition in polymers. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 2220-2226	2.5	34
282	Spectroscopy, thermal and optical properties of Nd <sup>3+</sup> -doped chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 284, 274-281	3.9	34
281	Photoacoustic and ESR studies of iron-doped soda-lime glasses: Thermal diffusivity. <i>Physical Review B</i> , <b>1989</b> , 40, 7912-7915	3.3	34
280	Neodymium concentration dependence of thermo-optical properties in low silica calcium aluminate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 219, 165-169	3.9	33
279	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

278	Energy transfer and the 2.8 $\mu$ m emission of Er <sup>3+</sup> - and Yb <sup>3+</sup> -doped low silica content calcium aluminate glasses. <i>Physical Review B</i> , <b>2000</b> , 62, 3176-3180	3.3	33
277	Rare-earth doped low silica calcium aluminosilicate glasses for near and mid infrared applications. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 276, 8-18	3.9	33
276	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, 2510-7	1.7	32
275	Tunable color temperature of Ce <sup>3+</sup> /Eu <sup>2+</sup> , <sup>3+</sup> co-doped low silica aluminosilicate glasses for white lighting. <i>Optics Express</i> , <b>2012</b> , 20, 10034-41	3.3	32
274	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
273	Phase-resolved photoacoustic spectroscopy: Application to metallic-ion-doped glasses. <i>Physical Review B</i> , <b>1987</b> , 36, 9812-9815	3.3	32
272	Study of optical properties and effective three-photon absorption in Bi-doped ZnO nanoparticles. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 114304	2.5	31
271	Fluorescence quantum efficiency of Er <sup>3+</sup> in low silica calcium aluminate glasses determined by mode-mismatched thermal lens spectrometry. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 1594-1602	3.9	31
270	Voltammetric response of a copper(II) complex incorporated in silica-modified carbon-paste electrode. <i>Analytica Chimica Acta</i> , <b>1999</b> , 385, 103-109	6.6	31
269	Structure and properties of water free Nd <sub>2</sub> O <sub>3</sub> doped low silica calcium aluminate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1999</b> , 247, 196-202	3.9	31
268	Thermal diffusivity of skin measured by two photothermal techniques. <i>Analytica Chimica Acta</i> , <b>1993</b> , 282, 711-719	6.6	31
267	Color tunability with temperature and pump intensity in Yb <sup>3+</sup> /Tm <sup>3+</sup> codoped aluminosilicate glass under anti-Stokes excitation. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 034507	3.9	30
266	Time-resolved Z-scan and thermal lens measurements in Er <sup>3+</sup> and Nd <sup>3+</sup> doped fluorindate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 213-214, 225-230	3.9	29
265	An open-photoacoustic-cell method for thermal characterization of a two-layer system. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 043514	2.5	28
264	Rare earth doping effect on the elastic moduli of low silica calcium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 304, 293-298	3.9	28
263	Broad combined orange-red emissions from Eu <sup>2+</sup> - and Eu <sup>3+</sup> -doped low-silica calcium aluminosilicate glass. <i>Optics Express</i> , <b>2012</b> , 20, 12658-65	3.3	27
262	Top-hat cw-laser-induced time-resolved mode-mismatched thermal lens spectroscopy for quantitative analysis of low-absorption materials. <i>Optics Letters</i> , <b>2008</b> , 33, 1464-6	3	27
261	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

260	Propolis Extract for Onychomycosis Topical Treatment: From Bench to Clinic. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 779	5.7	26
259	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
258	Thermal and optical properties of chalcogenide glass. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 284, 203-209.	3.9	26
257	Synthesis and luminescent properties of Eu <sup>3+</sup> /Eu <sup>2+</sup> co-doped calcium aluminosilicate glass/ceramics. <i>Journal of Luminescence</i> , <b>2016</b> , 169, 528-533	3.8	25
256	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
255	Finite-size effect on the surface deformation thermal mirror method. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 1735	1.7	24
254	Arrhenius behavior of hydrocarbon fuel photochemical reaction rates by thermal lens spectroscopy. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 191902	3.4	24
253	Thermal-lens study of photochemical reaction kinetics. <i>Optics Letters</i> , <b>2009</b> , 34, 3460-2	3	24
252	Unified theoretical model for calculating laser-induced wavefront distortion in optical materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 1772	1.7	23
251	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
250	High fluorescence quantum efficiency of 1.8 $\mu$ m emission in Tm-doped low silica calcium aluminate glass determined by thermal lens spectrometry. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 359-361	3.4	23
249	Geometrical anisotropy dependence of thermal diffusivity in lyotropic nematics: Mode mismatched thermal lens measurements. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 3371-3373	3.4	23
248	Phase-resolved photoacoustic spectroscopy and EPR investigation of MnO <sub>2</sub> - and CoO-doped soda-lime glasses. <i>Physical Review B</i> , <b>1989</b> , 40, 1880-1884	3.3	23
247	Preparation and characterization of bioadhesive system containing hypericin for local photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2017</b> , 19, 284-297	3.5	22
246	Analysis of energy transfer processes in Yb <sup>3+</sup> -Tb <sup>3+</sup> co-doped, low-silica calcium aluminosilicate glasses. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 083108	2.5	22
245	Photothermal spectrometry for membrane and interfacial region studies. <i>Analyt. Chem.</i> , <b>1998</b> , 70, 587-593	3.9	22
244	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
243	Ex vivo evaluation of the percutaneous penetration of proanthocyanidin extracts from <i>Guazuma ulmifolia</i> using photoacoustic spectroscopy. <i>Analytica Chimica Acta</i> , <b>2007</b> , 587, 132-6	6.6	22

242	Spectroscopic properties of polycarbonate and poly(methyl methacrylate) blends doped with europium (III) acetylacetonate. <i>Journal of Luminescence</i> , <b>2006</b> , 117, 61-67	3.8	22
241	Stryphnodendron adstringens: Clarifying Wound Healing in Streptozotocin-Induced Diabetic Rats. <i>Planta Medica</i> , <b>2015</b> , 81, 1090-6	3.1	21
240	Decolourization of Congo Red by Ganoderma lucidum Laccase: Evaluation of Degradation Products and Toxicity. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	21
239	Nanostructured Nb <sub>2</sub> O <sub>5</sub> /natural hydroxyapatite formed by the mechanical alloying method: A bulk composite. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 84-89	4.4	21
238	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
237	Inversion in the change of the refractive index and memory effect near the nematic-isotropic phase transition in a lyotropic liquid crystal. <i>Physical Review E</i> , <b>2000</b> , 61, 5410-3	2.4	21
236	Polyvinylidene fluoride/hydroxyapatite/β-tricalcium phosphate multifunctional biocomposite: Potentialities for bone tissue engineering. <i>Current Applied Physics</i> , <b>2017</b> , 17, 767-773	2.6	20
235	Processing and luminescence properties of Ce:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> and Eu:Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ceramics for white-light applications. <i>Materials Letters</i> , <b>2012</b> , 89, 86-89	3.3	20
234	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> , <b>2011</b> , 79, 449-57	5.7	20
233	Thermal lens study of energy transfer in Yb(3+)/Tm(3+)-co-doped glasses. <i>Optics Express</i> , <b>2007</b> , 15, 9232-33	3.3	20
232	Thermo-optical properties of Ga:La:S glasses measured by thermal lens technique. <i>Journal of Non-Crystalline Solids</i> , <b>1999</b> , 247, 222-226	3.9	20
231	Emission tunability and local environment in europium-doped OH-free calcium aluminosilicate glasses for artificial lighting applications. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 156, 214-219	4.4	19
230	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
229	Biosynthesis of CGTase by immobilized alkalophilic bacilli and crystallization of beta-cyclodextrin: Effective techniques to investigate cell immobilization and the production of cyclodextrins. <i>Biochemical Engineering Journal</i> , <b>2014</b> , 83, 22-32	4.2	19
228	Fractional approach, quantum statistics, and non-crystalline solids at very low temperatures. <i>European Physical Journal B</i> , <b>2008</b> , 62, 155-158	1.2	19
227	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
226	Electronic and thermal contributions to the non-linear refractive index of Nd <sup>3+</sup> ion-doped fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 273, 257-265	3.9	19
225	Thermal lens measurements of fluorescence quantum efficiency in Nd <sup>3+</sup> -doped fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 284, 255-260	3.9	19

224	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	1.9	18
223	Investigation of <i>Cryptosporidium</i> spp. and <i>Giardia</i> spp. in a public water-treatment system. <i>Zoonoses and Public Health</i> , <b>2009</b> , 56, 221-8	2.9	18
222	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
221	Time-resolved thermal lens measurements of thermo-optical properties of fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1999</b> , 256-257, 337-342	3.9	18
220	Laser-induced photoacoustic signal phase study of stratum corneum and epidermis. <i>Analyst, The</i> , <b>1994</b> , 119, 561-2	5	18
219	Singlet oxygen production by combining erythrosine and halogen light for photodynamic inactivation of <i>Streptococcus mutans</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2016</b> , 15, 127-32	3.5	17
218	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
217	Near-infrared quantum cutting in OH <sup>-</sup> free Nd <sup>3+</sup> -Yb <sup>3+</sup> co-doped low-silica calcium aluminosilicate glasses. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 013103	2.5	17
216	Modeling the population lens effect in thermal lens spectrometry. <i>Optics Letters</i> , <b>2013</b> , 38, 422-4	3	17
215	Time resolved thermal lens in edible oils. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 694-696	1.7	17
214	Thermal lens spectrometry to study complex fluids. <i>Brazilian Journal of Physics</i> , <b>1998</b> , 28, 00-00	1.2	17
213	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
212	Top-hat cw laser induced thermal mirror: a complete model for material characterization. <i>Applied Physics B: Lasers and Optics</i> , <b>2009</b> , 94, 473-481	1.9	16
211	Flow injection thermal lens spectrometric detection of hexavalent chromium. <i>European Physical Journal: Special Topics</i> , <b>2008</b> , 153, 503-506	2.3	16
210	Band gap energy determination by photoacoustic spectroscopy under continuous light excitation. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 231926	3.4	16
209	Differential thermal lens temperature scanning approach to glass transition analysis in polymers: application to polycarbonate. <i>Journal Physics D: Applied Physics</i> , <b>2001</b> , 34, 407-412	3	16
208	Potentiometric sensors with chalcogenide glasses as sensitive membranes: A short review. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 495, 8-18	3.9	15
207	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



206	Discriminating the role of sample length in thermal lensing of solids. <i>Optics Letters</i> , <b>2014</b> , 39, 4013-6	3	15
205	Evidence of deep percutaneous penetration associated with anti-inflammatory activity of topically applied <i>Helicteres gardneriana</i> extract: a photoacoustic spectroscopy study. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 331-6	4.5	15
204	A 3-dimensional time-resolved photothermal deflection $\mu$ Mirage method. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 091908	3.4	15
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