Mauro L Baesso

List of Publications by Year
in descending order

356 papers	7,860 citations	61857 43 h-index	98622 67 g-index
357 all docs	357 docs citations	357 times ranked	6631 citing authors

#	Article	IF	Citations
1	Curcuminâ€“Î²-cyclodextrin inclusion complex: Stability, solubility, characterisation by FT-IR, FT-Raman, X-ray diffraction and photoacoustic spectroscopy, and food application. Food Chemistry, 2014, 153, 361-370.	4.2	401
2	Optical band-gap determination of nanostructured WO3 film. Applied Physics Letters, 2010, 96, .	1.5	281
3	Modeâ€mismatched thermal lens determination of temperature coefficient of optical path length in soda lime glass at different wavelengths. Journal of Applied Physics, 1994, 75, 3732-3737.	1.1	184
4	Antibacterial photodynamic therapy for dental caries: Evaluation of the photosensitizers used and light source properties. Photodiagnosis and Photodynamic Therapy, 2012, 9, 122-131.	1.3	162
5	Thermal lens and Z-scan measurements: Thermal and optical properties of laser glasses â€“ A review. Journal of Non-Crystalline Solids, 2006, 352, 3582-3597.	1.5	141
6	Mode-mismatched thermal lens spectrometry for thermo-optical properties measurement in optical glasses: a review. Journal of Non-Crystalline Solids, 2000, 273, 215-227.	1.5	129
7	Absolute thermal lens method to determine fluorescence quantum efficiency and concentration quenching of solids. Physical Review B, 1998, 57, 10545-10549.	1.1	116
8	Threeâ€dimensional model for cw laserâ€induced modeâ€mismatched dualâ€beam thermal lens spectrometry and timeâ€resolved measurements of thinâ€film samples. Journal of Applied Physics, 1994, 75, 3738-3748.	1.1	97
9	Photoacoustic spectroscopy as a tool for determination of food dyes: Comparison with first derivative spectrophotometry. Talanta, 2010, 81, 202-207.	2.9	91
10	Photocatalytic reduction of Hg(II) on TiO2 and Ag/TiO2 prepared by the solâ€“gel and impregnation methods. Desalination, 2011, 270, 241-247.	4.0	85
11	Time-resolved thermal lens measurement of thermal diffusivity of sodaâ€”lime glass. Chemical Physics Letters, 1992, 197, 255-258.	1.2	82
12	Unravelling the effects of radiation forces in water. Nature Communications, 2014, 5, 4363.	5.8	82
13	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.	1.5	81
14	Temperature dependence of thermo-optical properties of fluoride glasses determined by thermal lens spectrometry. Physical Review B, 1999, 60, 15173-15178.	1.1	80
15	Inhibition of salivary and pancreatic Î±-amylases by a pinhÃ£o coat (Araucaria angustifolia) extract rich in condensed tannin. Food Research International, 2014, 56, 1-8.	2.9	78
16	Nd2O3 doped low silica calcium aluminosilicate glasses: Thermomechanical properties. Journal of Applied Physics, 1999, 85, 8112-8118.	1.1	73
17	Spectroscopic and glass transition studies on Nd3+-doped sodium zincborate glasses. Physica B: Condensed Matter, 2003, 337, 249-254.	1.3	72
18	Transformation of ethanol into hydrocarbons on ZSM-5 zeolites modified with iron in different ways. Fuel, 2008, 87, 1628-1636.	3.4	71

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19	Relations among nonbridging oxygen, optical properties, optical basicity, and color center formation in CaOâ€“MgO aluminosilicate glasses. Journal of Applied Physics, 2008, 104, .	1.1	68
20	Co-doped ZnO nanoparticles synthesized by an adapted solâ€“gel method: effects on the structural, optical, photocatalytic and antibacterial properties. Journal of Sol-Gel Science and Technology, 2014, 72, 301-309.	1.1	67
21	Pump-power-controlled luminescence switching in Yb3+âˆ•Tm3+ codoped water-free low silica calcium aluminosilicate glasses. Applied Physics Letters, 2007, 91, .	1.5	66
22	Dynamics of reepithelialisation and penetration rate of a bee propolis formulation during cutaneous wounds healing. Analytica Chimica Acta, 2009, 635, 115-120.	2.6	65
23	Hydrogen Peroxide Diffusion Dynamics in Dental Tissues. Journal of Dental Research, 2013, 92, 661-665.	2.5	63
24	Laser emission at 1077Ânm in Nd3+-doped calcium aluminosilicate glass. Applied Physics B: Lasers and Optics, 2003, 77, 59-63.	1.1	57
25	Propolis Extract for Onychomycosis Topical Treatment: From Bench to Clinic. Frontiers in Microbiology, 2018, 9, 779.	1.5	57
26	Time-resolved thermal lens measurements of the thermo-optical properties of glasses at low temperature down to 20 K. Physical Review B, 2005, 71, .	1.1	56
27	Multiwavelength thermal lens determination of fluorescence quantum efficiency of solids: Application to Nd3+-doped fluoride glass. Applied Physics Letters, 2001, 78, 3220-3222.	1.5	54
28	Characterization of natural nanostructured hydroxyapatite obtained from the bones of Brazilian river fish. Journal of Applied Physics, 2006, 100, 094312.	1.1	53
29	Time-resolved thermal mirror for nanoscale surface displacement detection in low absorbing solids. Applied Physics Letters, 2007, 91, .	1.5	52
30	Thermal properties of natural nanostructured hydroxyapatite extracted from fish bone waste. Journal of Applied Physics, 2007, 101, 084701.	1.1	52
31	Obtaining hydrocarbons from ethanol over iron-modified ZSM-5 zeolites. Fuel, 2005, 84, 2064-2070.	3.4	51
32	Butter cholesterol removal using different complexation methods with beta-cyclodextrin, and the contribution of photoacoustic spectroscopy to the evaluation of the complex. Food Research International, 2010, 43, 1104-1110.	2.9	51
33	Hydrocarbons from ethanol using [Fe,Al]ZSM-5 zeolites obtained by direct synthesis. Applied Catalysis A: General, 2006, 311, 193-198.	2.2	50
34	Characterization of thermo-optical and mechanical properties of calcium aluminosilicate glasses. Journal of Non-Crystalline Solids, 2006, 352, 3613-3617.	1.5	49
35	Microencapsulation by Freeze-Drying of Potassium Norbixinate and Curcumin with Maltodextrin: Stability, Solubility, and Food Application. Journal of Agricultural and Food Chemistry, 2013, 61, 955-965.	2.4	49
36	Time-resolved thermal mirror method: A theoretical study. Journal of Applied Physics, 2008, 104, .	1.1	47

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37	Soret effect and photochemical reaction in liquids with laser-induced local heating. Optics Express, 2011, 19, 4047.	1.7	47
38	Tunable light emission and similarities with garnet structure of Ce-doped LSCAS glass for white-light devices. Journal of Alloys and Compounds, 2012, 510, 54-59.	2.8	47
39	Thermal properties measurements in biodiesel oils using photothermal techniques. Chemical Physics Letters, 2005, 411, 18-22.	1.2	46
40	A step forward toward smart white lighting: Combination of glass phosphor and light emitting diodes. Applied Physics Letters, 2009, 95, .	1.5	46
41	Mechanisms of optical losses in the 5D4 and 5D3 levels in Tb3+ doped low silica calcium aluminosilicate glasses. Journal of Applied Physics, 2015, 117, .	1.1	46
42	Discrimination between electronic and thermal contributions to the nonlinear refractive index of SrAlF_5:Cr^+3. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 395.	0.9	45
43	Thermal lens determination of the temperature coefficient of optical path length in optical materials. Review of Scientific Instruments, 2003, 74, 877-880.	0.6	44
44	Thermal relaxation method to determine the specific heat of optical glasses. Journal of Non-Crystalline Solids, 2002, 304, 299-305.	1.5	43
45	Thermal lens spectroscopy of Nd:YAG. Applied Physics Letters, 2005, 86, 034104.	1.5	43
46	Spectroscopic properties of water free Nd2O3-doped low silica calcium aluminosilicate glasses. Journal of Non-Crystalline Solids, 2000, 277, 73-81.	1.5	42
47	Time-Resolved Thermal Lens and Thermal Mirror Spectroscopy with Sampleâ€"Fluid Heat Coupling: A Complete Model for Material Characterization. Applied Spectroscopy, 2011, 65, 99-104.	1.2	42
48	Thermal diffusivity of skin measured by two photothermal techniques. Analytica Chimica Acta, 1993, 282, 711-719.	2.6	41
49	Spectroscopic properties, concentration quenching, and laser investigations of Yb^3+-doped calcium aluminosilicate glasses. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2510.	0.9	40
50	Neodymium concentration dependence of thermoâ€"optical properties in low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1997, 219, 165-169.	1.5	38
51	Spectroscopy, thermal and optical properties of Nd3+-doped chalcogenide glasses. Journal of Non-Crystalline Solids, 2001, 284, 274-281.	1.5	38
52	Real-time quantitative investigation of photochemical reaction using thermal lens measurements: Theory and experiment. Journal of Applied Physics, 2006, 100, 044906.	1.1	38
53	Energy transfer and the2.8â^¼memission ofEr3+- andYb3+-doped low silica content calcium aluminate glasses. Physical Review B, 2000, 62, 3176-3180.	1.1	37
54	Rare-earth doped low silica calcium aluminosilicate glasses for near and mid infrared applications. Journal of Non-Crystalline Solids, 2000, 276, 8-18.	1.5	37

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55	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.	1.5	37
56	Nanoscale surface displacement detection in high absorbing solids by time-resolved thermal mirror. Applied Physics Letters, 2008, 92, .	1.5	37
57	Study of optical properties and effective three-photon absorption in Bi-doped ZnO nanoparticles. Journal of Applied Physics, 2009, 106, .	1.1	37
58	Photoacoustic and ESR studies of iron-doped soda-lime glasses: Thermal diffusivity. Physical Review B, 1989, 40, 7912-7915.	1.1	36
59	Fluorescence quantum efficiency of Er3+ in low silica calcium aluminate glasses determined by mode-mismatched thermal lens spectrometry. Journal of Non-Crystalline Solids, 2005, 351, 1594-1602.	1.5	36
60	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:m Low Silica Calcium Aluminosilicate Glass. Physical Review Letters, 2008, 100, 027402.	2.9	36
61	Voltammetric response of a copper(II) complex incorporated in silica-modified carbon-paste electrode. Analytica Chimica Acta, 1999, 385, 103-109.	2.6	35
62	Thermal lens scanning of the glass transition in polymers. Journal of Applied Physics, 2001, 89, 2220-2226.	1.1	35
63	Tunable color temperature of Ce^3+/Eu^2+, 3+ co-doped low silica aluminosilicate glasses for white lighting. Optics Express, 2012, 20, 10034.	1.7	35
64	Phase-resolved photoacoustic spectroscopy: Application to metallic-ion-doped glasses. Physical Review B, 1987, 36, 9812-9815.	1.1	34
65	Time-resolved Z-scan and thermal lens measurements in Er+3 and Nd+3 doped fluoroindate glasses. Journal of Non-Crystalline Solids, 1997, 213-214, 225-230.	1.5	34
66	Color tunability with temperature and pump intensity in Yb3+/Tm3+ codoped aluminosilicate glass under anti-Stokes excitation. Journal of Chemical Physics, 2010, 133, 034507.	1.2	34
67	Preparation and characterization of bioadhesive system containing hypericin for local photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2017, 19, 284-297.	1.3	34
68	An open-photoacoustic-cell method for thermal characterization of a two-layer system. Journal of Applied Physics, 2010, 107, .	1.1	33
69	Decolourization of Congo Red by Ganoderma lucidum Laccase: Evaluation of Degradation Products and Toxicity. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	32
70	Study of the chemical interaction between a high-viscosity glass ionomer cement and dentin. Journal of Applied Oral Science, 2018, 26, e20170384.	0.7	32
71	Structure and properties of water free Nd2O3 doped low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1999, 247, 196-202.	1.5	31
72	Rare earth doping effect on the elastic moduli of low silica calcium aluminosilicate glasses. Journal of Non-Crystalline Solids, 2002, 304, 293-298.	1.5	31

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73	On the application of the photoacoustic methods for the determination of thermo-optical properties of polymers. Brazilian Journal of Physics, 2002, 32, 483-494.	0.7	31
74	Thermo-optical characterization of tellurite glasses by thermal lens, thermal relaxation calorimetry and interferometric methods. Journal of Non-Crystalline Solids, 2006, 352, 3603-3607.	1.5	30
75	Thermal-lens study of photochemical reaction kinetics. Optics Letters, 2009, 34, 3460.	1.7	30
76	Unified theoretical model for calculating laser-induced wavefront distortion in optical materials. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1772.	0.9	30
77	Broad combined orange-red emissions from Eu^2+- and Eu^3+-doped low-silica calcium aluminosilicate glass. Optics Express, 2012, 20, 12658.	1.7	30
78	Stryphnodendron adstringens: Clarifying Wound Healing in Streptozotocin-Induced Diabetic Rats. Planta Medica, 2015, 81, 1090-1096.	0.7	29
79	Synthesis and luminescent properties of Eu3+/Eu2+ co-doped calcium aluminosilicate glassâ€“ceramics. Journal of Luminescence, 2016, 169, 528-533.	1.5	29
80	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 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 titanium-doped<mml. Physical Review B, 2008, 78, .	1.1	28
81	Top-hat cw-laser-induced time-resolved mode-mismatched thermal lens spectroscopy for quantitative analysis of low-absorption materials. Optics Letters, 2008, 33, 1464.	1.7	28
82	Potentiometric sensors with chalcogenide glasses as sensitive membranes: A short review. Journal of Non-Crystalline Solids, 2018, 495, 8-18.	1.5	28
83	Photothermal spectrometry for membrane and interfacial region studiesâ€. Analyst, The, 1998, 123, 587-593.	1.7	27
84	Thermal and optical properties of chalcohalide glass. Journal of Non-Crystalline Solids, 2001, 284, 203-209.	1.5	27
85	Fractional approach, quantum statistics, and non-crystalline solids at very low temperatures. European Physical Journal B, 2008, 62, 155-158.	0.6	27
86	Arrhenius behavior of hydrocarbon fuel photochemical reaction rates by thermal lens spectroscopy. Applied Physics Letters, 2009, 95, .	1.5	27
87	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.	1.2	27
88	Finite-size effect on the surface deformation thermal mirror method. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1735.	0.9	27
89	Laser-induced photoacoustic signal phase study of stratum corneum and epidermis. Analyst, The, 1994, 119, 561.	1.7	26
90	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.	1.5	26

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91	Investigation of Cryptosporidium spp. and Giardia spp. in a Public Waterâ€Treatment System. Zoonoses and Public Health, 2009, 56, 221-228.	0.9	26
92	Mucoadhesive emulgel systems containing curcumin for oral squamous cell carcinoma treatment: From pre-formulation to cytotoxicity in tissue-engineering oral mucosa. European Journal of Pharmaceutical Sciences, 2020, 151, 105372.	1.9	26
93	Geometrical anisotropy dependence of thermal diffusivity in lyotropic nematics: Mode mismatched thermal lens measurements. Applied Physics Letters, 1996, 68, 3371-3373.	1.5	25
94	Temperature dependence of the thermo-optical properties of water determined by thermal lens spectrometry. Review of Scientific Instruments, 2003, 74, 808-810.	0.6	25
95	Ex vivo evaluation of the percutaneous penetration of proanthocyanidin extracts from Guazuma ulmifolia using photoacoustic spectroscopy. Analytica Chimica Acta, 2007, 587, 132-136.	2.6	25
96	Preparation of Nd2O3-doped calcium aluminosilicate glasses and thermo-optical and mechanical characterization. Journal of Non-Crystalline Solids, 2008, 354, 4749-4754.	1.5	25
97	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.	2.0	25
98	Polyvinylidene fluoride/hydroxyapatite/Î²-tricalcium phosphate multifunctional biocomposite: Potentialities for bone tissue engineering. Current Applied Physics, 2017, 17, 767-773.	1.1	25
99	Phase-resolved photoacoustic spectroscopy and EPR investigation ofMnO2- and CoO-doped soda-lime glasses. Physical Review B, 1989, 40, 1880-1884.	1.1	24
100	Thermalâ€“optical properties of Ga:La:S glasses measured by thermal lens technique. Journal of Non-Crystalline Solids, 1999, 247, 222-226.	1.5	24
101	Spectroscopic properties of polycarbonate and poly(methyl methacrylate) blends doped with europium (III) acetylacetonate. Journal of Luminescence, 2006, 117, 61-67.	1.5	24
102	Thermal lens study of energy transfer in Yb^3+/Tm^3+-co-doped glasses. Optics Express, 2007, 15, 9232.	1.7	24
103	Analysis of energy transfer processes in Yb3+-Tb3+ co-doped, low-silica calcium aluminosilicate glasses. Journal of Applied Physics, 2011, 110, .	1.1	24
104	Use of photoacoustic spectroscopy in the characterization of inclusion complexes of benzophenone-3-hydroxypropyl-Î²-cyclodextrin and ex vivo evaluation of the percutaneous penetration of sunscreen. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 449-457.	2.0	24
105	Nanostructured Nb2O5â€“natural hydroxyapatite formed by the mechanical alloying method: A bulk composite. Materials Chemistry and Physics, 2011, 130, 84-89.	2.0	24
106	Modeling the population lens effect in thermal lens spectrometry. Optics Letters, 2013, 38, 422.	1.7	24
107	Biosynthesis of CGTase by immobilized alkalophilic bacilli and crystallization of beta-cyclodextrin: Effective techniques to investigate cell immobilization and the production of cyclodextrins. Biochemical Engineering Journal, 2014, 83, 22-32.	1.8	24
108	Challenges in luting fibre posts: Adhesion to the post and to the dentine. Dental Materials, 2018, 34, 1054-1062.	1.6	24

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109	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.	0.8	23
110	Spectroscopic investigation and interest of Pr3+-doped calcium aluminosilicate glass. Journal of Luminescence, 2019, 210, 376-382.	1.5	23
111	Electronic and thermal contributions to the non-linear refractive index of Nd3+ ion-doped fluoride glasses. Journal of Non-Crystalline Solids, 2000, 273, 257-265.	1.5	22
112	Thermal lens measurements of fluorescence quantum efficiency in Nd3+-doped fluoride glasses. Journal of Non-Crystalline Solids, 2001, 284, 255-260.	1.5	22
113	Evaluation of Photoprotective Potential and Percutaneous Penetration by Photoacoustic Spectroscopy of the Schinus terebinthifolius Raddi Extract. Photochemistry and Photobiology, 2015, 91, 558-566.	1.3	22
114	Fusarium oxysporum is an onychomycosis etiopathogenic agent. Future Microbiology, 2018, 13, 1745-1756.	1.0	22
115	Thermal quenching of the fluorescence quantum efficiency in colquiriite crystals measured by thermal lens spectrometry. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1784.	0.9	21
116	Processing and luminescence properties of Ce:Y3Al5O12 and Eu:Y3Al5O12 ceramics for white-light applications. Materials Letters, 2012, 89, 86-89.	1.3	21
117	Near-infrared quantum cutting in OHâ˜ free Nd3+-Yb3+ co-doped low-silica calcium aluminosilicate glasses. Journal of Applied Physics, 2013, 114, .	1.1	21
118	Time-resolved thermal lens measurements of thermo-optical properties of fluoride glasses. Journal of Non-Crystalline Solids, 1999, 256-257, 337-342.	1.5	20
119	Differential thermal lens temperature scanning approach to glass transition analysis in polymers: application to polycarbonate. Journal Physics D: Applied Physics, 2001, 34, 407-412.	1.3	20
120	Bioactivity and structural properties of nanostructured bulk composites containing Nb2O5 and natural hydroxyapatite. Journal of Applied Physics, 2013, 113, .	1.1	20
121	Singlet oxygen production by combining erythrosine and halogen light for photodynamic inactivation of Streptococcus mutans. Photodiagnosis and Photodynamic Therapy, 2016, 15, 127-132.	1.3	20
122	Evidence of anti-inflammatory effect and percutaneous penetration of a topically applied fish oil preparation: a photoacoustic spectroscopy study. Journal of Biomedical Optics, 2017, 22, 055003.	1.4	20
123	Fluorescence line narrowing and Judd-Ofelt theory analyses of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0042.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>Eu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</ low-silica calcium aluminosilicate glass and glass-ceramic. Journal of Luminescence, 2018, 201, 123-128.	1.5	20
124	Enhanced and tunable white light emission from Ag nanoclusters and Eu³⁺-co-doped CaBAl glasses. RSC Advances, 2018, 8, 35263-35270.	1.7	20
125	Thermal lens spectrometry to study complex fluids. Brazilian Journal of Physics, 1998, 28, 00-00.	0.7	19
126	Top-hat cw laser induced thermal mirror: aÂcompleteÂmodel forÂmaterialÂcharacterization. Applied Physics B: Lasers and Optics, 2009, 94, 473-481.	1.1	19

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127	Evidence of Deep Percutaneous Penetration Associated with Anti-Inflammatory Activity of Topically Applied Helicteres gardneriana Extract: A Photoacoustic Spectroscopy Study. Pharmaceutical Research, 2011, 28, 331-336.	1.7	19
128	The influence of SiO2 content on spectroscopic properties and laser emission efficiency of Yb3+-Er3+ co-doped calcium aluminosilicate glasses. Applied Physics B: Lasers and Optics, 2012, 107, 415-420.	1.1	19
129	Discriminating the role of sample length in thermal lensing of solids. Optics Letters, 2014, 39, 4013.	1.7	19
130	Time resolved thermal lens in edible oils. Review of Scientific Instruments, 2003, 74, 694-696.	0.6	18
131	Observation of laser induced photochemical reaction of Cr(VI) species in water during thermal lens measurements. Chemical Physics Letters, 2004, 396, 221-225.	1.2	18
132	Thermal Characterization In Vitro of Human Nail: Photoacoustic Study of the Aging Process. Photochemistry and Photobiology, 2007, 83, 1144-1148.	1.3	18
133	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.	0.7	18
134	Photosensitizer and light diffusion through dentin in photodynamic therapy. Journal of Biomedical Optics, 2013, 18, 055004.	1.4	18
135	Insulin complexation with hydroxypropyl-beta-cyclodextrin: Spectroscopic evaluation of molecular inclusion and use of the complex in gel for healing of pressure ulcers. International Journal of Pharmaceutics, 2015, 490, 229-239.	2.6	18
136	Emulgels Containing Carbopol 934P and Different Vegetable Oils for Topical Propolis Delivery: Bioadhesion, Drug Release Profile, and Ex Vivo Skin Permeation Studies. AAPS PharmSciTech, 2020, 21, 209.	1.5	18
137	Photoacoustic signal with two heating sources: theoretical predictions and experimental results for the open photoacoustic cell technique. Measurement Science and Technology, 2020, 31, 075202.	1.4	18
138	Thermo-mechanical and optical properties of calcium aluminosilicate glasses doped with Er3+ and Yb3+. Journal of Non-Crystalline Solids, 2000, 273, 239-245.	1.5	17
139	Thermal lens versus DTA measurements for glass transition analysis of fluoride glasses. Journal of Non-Crystalline Solids, 2002, 304, 315-321.	1.5	17
140	Band gap energy determination by photoacoustic spectroscopy under continuous light excitation. Applied Physics Letters, 2006, 89, 231926.	1.5	17
141	Flow injection thermal lens spectrometric detection of hexavalent chromium. European Physical Journal: Special Topics, 2008, 153, 503-506.	1.2	17
142	Laser-Induced Chemical Reaction Characterization in Photosensitive Aqueous Solutions. Journal of Physical Chemistry B, 2011, 115, 9417-9420.	1.2	17
143	A 3-dimensional time-resolved photothermal deflection â€œMirageâ€•method. Applied Physics Letters, 2012, 100, .	1.5	17
144	Fourier transform infrared photoacoustic spectroscopy study of physicochemical interaction between human dentin and etch-&-rinse adhesives in a simulated moist bond technique. Journal of Biomedical Optics, 2012, 17, 065002.	1.4	17

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145	Open photoacoustic cell for thermal diffusivity measurements of a fast hardening cement used in dental restoring. Journal of Applied Physics, 2012, 111, .	1.1	17
146	Eu2+-doped OHâ˜ free calcium aluminosilicate glass: A phosphor for smart lighting. Journal of Luminescence, 2013, 143, 600-604.	1.5	17
147	Pulsed photothermal mirror technique: characterization of opaque materials. Applied Optics, 2014, 53, 7985.	2.1	17
148	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.	0.6	17
149	Formulation of chloroaluminum phthalocyanine incorporated into PS-b-PAA diblock copolymer nanomicelles. Journal of Molecular Liquids, 2018, 271, 949-958.	2.3	17
150	Design of a nanostructured mucoadhesive system containing curcumin for buccal application: from physicochemical to biological aspects. Beilstein Journal of Nanotechnology, 2019, 10, 2304-2328.	1.5	17
151	Unveiling bulk and surface radiation forces in a dielectric liquid. Light: Science and Applications, 2022, 11, 103.	7.7	17
152	Photoacoustic spectroscopy to evaluate the penetration of sunscreens into human skinin vivo: A statistic treatment. Review of Scientific Instruments, 2003, 74, 758-760.	0.6	16
153	Time-resolved thermal mirror technique with top-hat cw laser excitation. Optics Express, 2008, 16, 12214.	1.7	16
154	Energy-level and optical properties of nitrogen doped TiO2: An experimental and theoretical study. Applied Physics Letters, 2011, 99, .	1.5	16
155	Color Stability Over Time of Three Resinâ€Based Restorative Materials Stored Dry and in Artificial Saliva. Journal of Esthetic and Restorative Dentistry, 2014, 26, 279-287.	1.8	16
156	Biosynthesis of succinoglycan by Agrobacterium radiobacter NBRC 12665 immobilized on loofa sponge and cultivated in sugar cane molasses. Structural and rheological characterization of biopolymer. Journal of Molecular Catalysis B: Enzymatic, 2015, 122, 15-28.	1.8	16
157	The effect of silica content on the luminescence properties of Tb3+-doped calcium aluminosilicate glasses. Journal of Luminescence, 2018, 202, 363-369.	1.5	16
158	Time-resolved study of thermal and electronic nonlinearities in Nd+3 doped fluoride glasses. Electronics Letters, 1998, 34, 117.	0.5	16
159	Enhanced Cutaneous Wound Healing In Vivo by Standardized Crude Extract of Poincianella pluviosa. PLoS ONE, 2016, 11, e0149223.	1.1	16
160	Temperature dependence of fluorescence quantum efficiency of optical glasses determined by thermal lens spectrometry. Journal of Non-Crystalline Solids, 2002, 304, 244-250.	1.5	15
161	Fluorescence quantum efficiency measurements using the thermal lens technique. Review of Scientific Instruments, 2003, 74, 857-859.	0.6	15
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