

Mauro L Baesso

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.

331
papers

6,354
citations

40
h-index

61
g-index

357
ext. papers

7,089
ext. citations

3.4
avg, IF

5.41
L-index

#	Paper	IF	Citations
331	Towards Power Scaling of Simple CW Ultraviolet via Pr: LiYF ₄ -LBO Laser at 320 nm. <i>IEEE Photonics Technology Letters</i> , 2022 , 34, 129-132	2.2	
330	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
329	Sensitivity enhancement of thermal lens spectrometry. <i>Journal of Applied Physics</i> , 2022 , 131, 063102	2.5	3
328	Float, borosilicate and tellurites as cover glasses in Si photovoltaics: Optical properties and performances under sunlight. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 161, 110396	3.9	0
327	Photoacoustic and photothermal and the photovoltaic efficiency of solar cells: A tutorial. <i>Journal of Applied Physics</i> , 2022 , 131, 141101	2.5	2
326	Evaluation of a multiple microemulsion from <i>Trichilia catigua</i> extract and the percutaneous penetration through skin by Phase-Resolved photoacoustic spectroscopy.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 275, 121152	4.4	
325	Unveiling bulk and surface radiation forces in a dielectric liquid.. <i>Light: Science and Applications</i> , 2022 , 11, 103	16.7	3
324	Technique for Darkening of Extracted Teeth Simulating Pulpal Necrosis Discoloration.. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2022 , 14, 103-112	1.6	
323	Thermosensitive gel based on cellulose derivative for topical delivery of propolis in acne treatment.. <i>Pharmaceutical Development and Technology</i> , 2022 , 1-43	3.4	
322	Dynamics of the natural genesis of β -TCP/HAp phases in postnatal fishbones towards gold standard biocomposites for bone regeneration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 279, 121407	4.4	
321	Photoacoustic for thermal diffusivity determination of fish scale: A methodology for environmental integrity monitoring.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021 , 227, 112379	6.7	0
320	Opalescence and color stability of composite resins: an in vitro longitudinal study. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	
319	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
318	In Vitro Evaluation of the Stabilization Time of Chemical Bonds During Setting Reaction and Microhardness of Preheated Glass-Ionomer Cements. <i>Operative Dentistry</i> , 2021 , 46, 208-218	2.9	0
317	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
316	Characterization of a biofilm formed by <i>Fusarium oxysporum</i> on the human nails. <i>International Journal of Dermatology</i> , 2021 ,	1.7	1
315	Combination of broad emission bands of Ti ^{3+,4+} / Eu ^{2+,3+} co-doped OH ⁻ free low silica calcium aluminosilicate glasses as emitting phosphors for white lighting devices. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 155898	5.7	4

314	The correlation of physicochemical properties of edible vegetable oils by chemometric analysis of spectroscopic data. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 245, 118877	4.4	2
313	Two ratiometric thermometry methods based on the interplay between Eu ²⁺ and Eu ³⁺ and single Eu ³⁺ emissions on OHFree low-silica calcium aluminosilicate glass. <i>Materials Research Bulletin</i> , 2021 , 135, 111115	5.1	5
312	Nanoencapsulated hypericin in P-123 associated with photodynamic therapy for the treatment of dermatophytosis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021 , 215, 112103	6.7	4
311	Photothermal Stimuli-Responsive Hydrogel Containing Safranin for Mastitis Treatment in Veterinary Using Phototherapy. <i>ACS Applied Bio Materials</i> , 2021 , 4, 581-596	4.1	7
310	Studies of the early stages of the dynamic setting process of chemically activated restorative glass-ionomer cements. <i>Biomaterial Investigations in Dentistry</i> , 2021 , 8, 39-47	2	
309	Single-beam time-resolved cw thermal Z-scan analysis applied in solids. <i>Optics and Laser Technology</i> , 2021 , 142, 107248	4.2	2
308	Physicochemical and bone regeneration studies using scaffoldings of pure natural hydroxyapatite or associated with Nb ₂ O ₅ . <i>Materials Chemistry and Physics</i> , 2021 , 272, 124922	4.4	1
307	Aluminum phthalocyanine hydroxide-loaded thermoresponsive biomedical hydrogel: A design for targeted photosensitizing drug delivery. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117421	6	1
306	Reduced graphene oxide impregnated in TiO ₂ for photodegradation of dyes monitored in UV-LED mini-reactor. <i>Materials Chemistry and Physics</i> , 2021 , 272, 125020	4.4	2
305	Stimulus-responsive phototherapeutic micellar platform of Rose Bengal B: A new perspective for the treatment of wounds. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 66, 102739	4.5	3
304	Color tunability and synergistic effect of PiG materials based on YAG:Ce ³⁺ phosphor in SCS:Eu ³⁺ glass. <i>Journal of Non-Crystalline Solids</i> , 2021 , 574, 121169	3.9	0
303	Evaluating the link between blue-green luminescence and cross-relaxation processes in Tb ³⁺ -doped glasses. <i>Journal of Luminescence</i> , 2021 , 240, 118430	3.8	1
302	Eu ²⁺ -Nd ³⁺ co-doped glasses for solar spectrum modification via NUV/visible to NIR downconversion. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161484	5.7	
301	Mucoadhesive emulgel systems containing curcumin for oral squamous cell carcinoma treatment: From pre-formulation to cytotoxicity in tissue-engineering oral mucosa. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 151, 105372	5.1	6
300	Immune response and Raman scattering assessment in rats skin after contact with Fusarium oxysporum metabolites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 234, 118246	4.4	1
299	Photoacoustic signal with two heating sources: theoretical predictions and experimental results for the open photoacoustic cell technique. <i>Measurement Science and Technology</i> , 2020 , 31, 075202	2	8
298	Stem bark extract of Poincianella pluviosa incorporated in polymer film: Evaluation of wound healing and anti-staphylococcal activities. <i>Injury</i> , 2020 , 51, 840-849	2.5	4
297	Influence of the ethanol/dichloromethane ratio on the preparation of microsponges composed of ethylcellulose and Eudragit or HPMCphthalate for hydrophilic drug delivery. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112633	6	2

296	Enhanced mechanical properties and osseointegration features of CaNb ₂ O ₆ /Nb ₉ O ₂₅ /Ca ₃ (PO ₄) ₂ triphasic nanostructured bioceramics derived by optimised sinterization of Nb ₂ O ₅ and natural hydroxyapatite-tricalcium phosphate. <i>Ceramics International</i> , 2020 , 46, 12837-12845	5.1	7
295	Laser induced thermoelastic surface displacement in solids detected simultaneously by photothermal mirror and interferometry. <i>Optics Express</i> , 2020 , 28, 7116-7124	3.3	4
294	Correlation between mechanical properties and stabilization time of chemical bonds in glass-ionomer cements. <i>Brazilian Oral Research</i> , 2020 , 34, e053	2.6	5
293	Mechanical and Chemical Changes in the Adhesive-Dentin Interface after Remineralization. <i>Journal of Adhesive Dentistry</i> , 2020 , 22, 297-309	3	2
292	Soret effect in lyotropic liquid crystal in the isotropic phase revealed by time-resolved thermal lens. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113381	6	8
291	True absolute determination of photoluminescence quantum yields by coupling multiwavelength thermal lens and photoluminescence spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25156-25164	3.6	3
290	Effects of Bioactive Agents on Dentin Mineralization Kinetics After Dentin Bleaching. <i>Operative Dentistry</i> , 2020 , 45, 286-296	2.9	3
289	Eu ^{2+,3+} /Pr ³⁺ co-doped calcium aluminosilicate glass for tunable white lighting devices. <i>Journal of Alloys and Compounds</i> , 2020 , 817, 153319	5.7	4
288	Photothermal characterization of biodiesel and petroleum diesel fuels: A review and perspective. <i>Journal of Applied Physics</i> , 2020 , 128, 190902	2.5	4
287	In vivo evaluation of interactions between biphasic calcium phosphate (BCP)-niobium pentoxide (NbO) nanocomposite and tissues using a rat critical-size calvarial defect model. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 71	4.5	2
286	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> , 2020 , 110, 103113	2.1	1
285	Emulgels Containing Carbopol 934P and Different Vegetable Oils for Topical Propolis Delivery: Bioadhesion, Drug Release Profile, and Ex Vivo Skin Permeation Studies. <i>AAPS PharmSciTech</i> , 2020 , 21, 209	3.9	7
284	Fish oil preparation inhibits leukocyte recruitment and bands that characterize inflamed tissue in a model of phenol-induced skin inflammation: percutaneous penetration of a topically applied preparation demonstrated by photoacoustic spectroscopy. <i>Natural Product Research</i> , 2020 , 34, 2341-2345	2.3	2
283	Thermal properties and crystallization mechanism of undoped and Nd ³⁺ -doped (hbox {SiO}_2)(hbox {Al}_2(hbox {O}_3))_nCaO/MgO glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 275-282	4.1	
282	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
281	Influence of external energy sources on the dynamic setting process of glass-ionomer cements. <i>Dental Materials</i> , 2019 , 35, 450-456	5.7	4
280	Thermal-wave resonant cavity signal processing. <i>Review of Scientific Instruments</i> , 2019 , 90, 014901	1.7	4
279	Spectroscopic investigation and interest of Pr ³⁺ -doped calcium aluminosilicate glass. <i>Journal of Luminescence</i> , 2019 , 210, 376-382	3.8	15

278	Design of a nanostructured mucoadhesive system containing curcumin for buccal application: from physicochemical to biological aspects. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2304-2328	3	10
277	Standard and modified Judd-Ofelt theories in Pr ³⁺ -doped calcium aluminosilicate glasses: A comparative analysis. <i>Journal of Alloys and Compounds</i> , 2019 , 780, 705-710	5.7	5
276	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
275	Laser induced wavefront distortion in thick-disk material: An analytical description. <i>Optical Materials</i> , 2018 , 75, 574-579	3.3	3
274	Challenges in luting fibre posts: Adhesion to the post and to the dentine. <i>Dental Materials</i> , 2018 , 34, 1054-1062	5.7	9
273	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
272	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
271	Propolis Extract for Onychomycosis Topical Treatment: From Bench to Clinic. <i>Frontiers in Microbiology</i> , 2018 , 9, 779	5.7	26
270	Potentiometric sensors with chalcogenide glasses as sensitive membranes: A short review. <i>Journal of Non-Crystalline Solids</i> , 2018 , 495, 8-18	3.9	15
269	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
268	Enhanced and tunable white light emission from Ag nanoclusters and Eu-co-doped CaBAI glasses.. <i>RSC Advances</i> , 2018 , 8, 35263-35270	3.7	11
267	Fusarium oxysporum is an onychomycosis etiopathogenic agent. <i>Future Microbiology</i> , 2018 , 13, 1745-1756	5	5
266	Chemical Interaction and Interface Analysis of Self-Etch Adhesives Containing 10-MDP and Methacrylamide With the Dentin in Noncarious Cervical Lesions. <i>Operative Dentistry</i> , 2018 , 43, E253-E265	2.9	4
265	Formulation of chloroaluminum phthalocyanine incorporated into PS-b-PAA diblock copolymer nanomicelles. <i>Journal of Molecular Liquids</i> , 2018 , 271, 949-958	6	10
264	Upconversion luminescence and hypersensitive transitions of Pr ³⁺ -doped calcium aluminosilicate glasses. <i>Journal of Luminescence</i> , 2018 , 202, 27-31	3.8	7
263	The effect of silica content on the luminescence properties of Tb ³⁺ -doped calcium aluminosilicate glasses. <i>Journal of Luminescence</i> , 2018 , 202, 363-369	3.8	13
262	Chemical Interaction Analysis of an Adhesive Containing 10-Methacryloyloxydecyl Dihydrogen Phosphate (10-MDP) With the Dentin in Noncarious Cervical Lesions. <i>Operative Dentistry</i> , 2017 , 42, 357-366	2.9	10
261	Polyvinylidene fluoride/hydroxyapatite/tricalcium phosphate multifunctional biocomposite: Potentialities for bone tissue engineering. <i>Current Applied Physics</i> , 2017 , 17, 767-773	2.6	20

260	Evidence of anti-inflammatory effect and percutaneous penetration of a topically applied fish oil preparation: a photoacoustic spectroscopy study. <i>Journal of Biomedical Optics</i> , 2017 , 22, 55003	3.5	14
259	Thermal Lens Temperature Scanning technique for evaluation of oxidative stability and time of transesterification during biodiesel synthesis. <i>Fuel</i> , 2017 , 202, 78-84	7.1	8
258	Citrate esterified cassava starch: Preparation, physicochemical characterisation, and application in dairy beverages. <i>Starch/Staerke</i> , 2017 , 69, 1700044	2.3	4
257	Vibrational Spectroscopy and Thermophysical Properties of Ultralow Sulfur Diesel Alternative Fuel Binary Blends. <i>Energy & Fuels</i> , 2017 , 31, 13775-13784	4.1	3
256	Preparation and characterization of bioadhesive system containing hypericin for local photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017 , 19, 284-297	3.5	22
255	Evaluation of Thermo-oxidative Stability of Biodiesel. <i>Energy & Fuels</i> , 2017 , 31, 7132-7137	4.1	9
254	Fluorescence quantum yield of Yb ³⁺ -doped tellurite glasses determined by thermal lens spectroscopy. <i>Optical Materials</i> , 2017 , 63, 19-25	3.3	8
253	Correlations among thermophysical properties, ignition quality, volatility, chemical composition, and kinematic viscosity of petroleum distillates. <i>Fuel</i> , 2016 , 163, 324-333	7.1	10
252	Singlet oxygen production by combining erythrosine and halogen light for photodynamic inactivation of <i>Streptococcus mutans</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2016 , 15, 127-32	3.5	17
251	In situ structural analysis of calcium aluminosilicate glasses under high pressure. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 315402	1.8	12
250	Characterization of curdlan produced by <i>Agrobacterium</i> sp. IFO 13140 cells immobilized in a loofa sponge matrix, and application of this biopolymer in the development of functional yogurt. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 2410-7	4.3	10
249	Synthesis and luminescent properties of Eu ³⁺ /Eu ²⁺ co-doped calcium aluminosilicate glass/ceramics. <i>Journal of Luminescence</i> , 2016 , 169, 528-533	3.8	25
248	Pump-induced refractive index changes in Tb ³⁺ doped glasses. <i>Journal of Luminescence</i> , 2016 , 169, 659-664	3.8	6
247	Employing photoacoustic spectroscopy in the evaluation of the skin permeation profile of emulsion containing antioxidant phenolic-rich extract of <i>Melochia arenosa</i> . <i>Pharmaceutical Biology</i> , 2016 , 54, 139-45	2.8	4
246	Development and characterization of multiple emulsions for controlled release of <i>Trichilia catigua</i> (Catuaba) extract. <i>Pharmaceutical Development and Technology</i> , 2016 , 21, 933-942	3.4	6
245	Analytical method to estimate resin cement diffusion into dentin. <i>Journal of Biomedical Optics</i> , 2016 , 21, 55003	3.5	2
244	Enhanced Cutaneous Wound Healing In Vivo by Standardized Crude Extract of <i>Poincianella pluviosa</i> . <i>PLoS ONE</i> , 2016 , 11, e0149223	3.7	14
243	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

242	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
241	Investigation into photostability of soybean oils by thermal lens spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 145, 125-129	4.4	8
240	Stryphnodendron adstringens: Clarifying Wound Healing in Streptozotocin-Induced Diabetic Rats. <i>Planta Medica</i> , 2015 , 81, 1090-6	3.1	21
239	Decolourization of Congo Red by Ganoderma lucidum Laccase: Evaluation of Degradation Products and Toxicity. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	21
238	Modeling population and thermal lenses in the presence of Auger Upconversion for Nd(3+) doped materials. <i>Optics Express</i> , 2015 , 23, 15983-91	3.3	1
237	Biosynthesis of succinoglycan by Agrobacterium radiobacter NBRC 12665 immobilized on loofa sponge and cultivated in sugar cane molasses. Structural and rheological characterization of biopolymer. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 122, 15-28		10
236	Nectandra falcifolia: potential phytopharmaceutical for skin damage protection designed by statistical approach and characterized by photoacoustic spectroscopy. <i>Revista Brasileira De Farmacognosia</i> , 2015 , 25, 284-291	2	6
235	The Use of Thermal Analysis and Photoacoustic Spectroscopy in the Evaluation of Maltodextrin Microencapsulation of Anthocyanins from Juçara Palm Fruit (Mart.) and Their Application in Food. <i>Food Technology and Biotechnology</i> , 2015 , 53, 385-396	2.1	6
234	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
233	Evaluation of Photoprotective Potential and Percutaneous Penetration by Photoacoustic Spectroscopy of the Schinus terebinthifolius Raddi Extract. <i>Photochemistry and Photobiology</i> , 2015 , 91, 558-66	3.6	14
232	Mechanisms of optical losses in the 5D4 and 5D3 levels in Tb ³⁺ doped low silica calcium aluminosilicate glasses. <i>Journal of Applied Physics</i> , 2015 , 117, 053102	2.5	35
231	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
230	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
229	Inhibition of salivary and pancreatic α-amylases by a pinhão coat (Araucaria angustifolia) extract rich in condensed tannin. <i>Food Research International</i> , 2014 , 56, 1-8	7	61
228	Spectroscopic studies and downconversion luminescence in OH ⁺ free Pr ³⁺ /Tb ³⁺ co-doped low-silica calcium aluminosilicate glasses. <i>Journal of Luminescence</i> , 2014 , 145, 615-619	3.8	8
227	Enhanced fluorescence and optical power limiting in Ag-nanocomposite glasses. <i>Chemical Physics Letters</i> , 2014 , 593, 1-6	2.5	8
226	Color stability over time of three resin-based restorative materials stored dry and in artificial saliva. <i>Journal of Esthetic and Restorative Dentistry</i> , 2014 , 26, 279-87	3.5	13
225	Nd ³⁺ doped CAS glasses: A thermo-optical and spectroscopic investigation. <i>Optical Materials</i> , 2014 , 37, 531-536	3.3	9

224	Role of photophysics processes in thermal lens spectroscopy of fluids: a theoretical study. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 5983-8	2.8	9
223	Are metabolites of <i>Fusarium oxysporum</i> responsible for fungal skin invasion? A morphological and Raman spectroscopy monitoring. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 873-878	2.3	5
222	Temperature Coefficients of the Refractive Index for Complex Hydrocarbon Mixtures. <i>International Journal of Thermophysics</i> , 2014 , 35, 930-941	2.1	11
221	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> , 2014 , 83, 22-32	4.2	19
220	Combined photothermal lens and photothermal mirror characterization of polymers. <i>Applied Spectroscopy</i> , 2014 , 68, 777-83	3.1	13
219	Correlation between histopathological and FT-Raman spectroscopy analysis of the liver of Swiss mice infected with <i>Paracoccidioides brasiliensis</i> . <i>PLoS ONE</i> , 2014 , 9, e106256	3.7	6
218	Unravelling the effects of radiation forces in water. <i>Nature Communications</i> , 2014 , 5, 4363	17.4	58
217	Pulsed photothermal mirror technique: characterization of opaque materials. <i>Applied Optics</i> , 2014 , 53, 7985-91	0.2	12
216	Discriminating the role of sample length in thermal lensing of solids. <i>Optics Letters</i> , 2014 , 39, 4013-6	3	15
215	White-light-emitting KCl:Eu ²⁺ /KCN crystal for solid-state lighting devices. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10149-10156	7.1	8
214	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
213	Luminescence quantum efficiency at 1.5 μ m of Er ³⁺ -doped tellurite glass determined by thermal lens spectroscopy. <i>Optical Materials</i> , 2013 , 35, 2400-2404	3.3	9
212	Near-infrared quantum cutting in OH ⁻ free Nd ³⁺ -Yb ³⁺ co-doped low-silica calcium aluminosilicate glasses. <i>Journal of Applied Physics</i> , 2013 , 114, 013103	2.5	17
211	Thermal mirror spectrometry: An experimental investigation of optical glasses. <i>Optical Materials</i> , 2013 , 35, 1129-1133	3.3	12
210	Hydrogen peroxide diffusion dynamics in dental tissues. <i>Journal of Dental Research</i> , 2013 , 92, 661-5	8.1	45
209	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
208	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
207	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

206	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}	3.6	11
205	Pulsed-laser time-resolved thermal mirror technique in low-absorbance homogeneous linear elastic materials. <i>Applied Spectroscopy</i> , 2013 , 67, 1111-6	3.1	11
204	Spectroscopic investigation and heat generation of Yb ³⁺ /Ho ³⁺ codoped aluminosilicate glasses looking for the emission at 2 μ m. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1322	1.7	8
203	Modeling the population lens effect in thermal lens spectrometry. <i>Optics Letters</i> , 2013 , 38, 422-4	3	17
202	Resonant excited state absorption and relaxation mechanisms in Tb ³⁺ -doped calcium aluminosilicate glasses: an investigation by thermal mirror spectroscopy. <i>Optics Letters</i> , 2013 , 38, 4667-70	2.7	11
201	Photosensitizer and light diffusion through dentin in photodynamic therapy. <i>Journal of Biomedical Optics</i> , 2013 , 18, 55004	3.5	14
200	Crude extract of <i>Fusarium oxysporum</i> induces apoptosis and structural alterations in the skin of healthy rats. <i>Journal of Biomedical Optics</i> , 2013 , 18, 095004	3.5	6
199	Non-destructive thermal wave method applied to study thermal properties of fast setting time endodontic cement. <i>Journal of Applied Physics</i> , 2013 , 114, 194701	2.5	
198	A simplified model for thermal-wave cavity self-consistent measurement of thermal diffusivity. <i>Review of Scientific Instruments</i> , 2013 , 84, 124902	1.7	4
197	Laser-induced lensing effects in solid-state optical refrigerators. <i>Applied Physics Letters</i> , 2013 , 102, 141910	3.0	5
196	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> , 2013 , 103, 144104	3.4	
195	Ultraviolet (UVB and UVA) photoprotector activity and percutaneous penetration of extracts obtained from <i>Arrabidaea chica</i> . <i>Applied Spectroscopy</i> , 2013 , 67, 1179-84	3.1	7
194	Tunable light emission and similarities with garnet structure of Ce-doped LSCAS glass for white-light devices. <i>Journal of Alloys and Compounds</i> , 2012 , 510, 54-59	5.7	41
193	Temperature coefficients of the refractive index for hydrocarbons and binary mixtures. <i>Chemical Physics Letters</i> , 2012 , 539-540, 54-57	2.5	8
192	Antibacterial photodynamic therapy for dental caries: evaluation of the photosensitizers used and light source properties. <i>Photodiagnosis and Photodynamic Therapy</i> , 2012 , 9, 122-31	3.5	131
191	Processing and luminescence properties of Ce:Y ₃ Al ₅ O ₁₂ and Eu:Y ₃ Al ₅ O ₁₂ ceramics for white-light applications. <i>Materials Letters</i> , 2012 , 89, 86-89	3.3	20
190	Open photoacoustic cell for thermal diffusivity measurements of a fast hardening cement used in dental restoring. <i>Journal of Applied Physics</i> , 2012 , 111, 014701	2.5	14
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31	Electronic and thermal contributions to the non-linear refractive index of Nd ³⁺ ion-doped fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , 2000 , 273, 257-265	3.9	19
30	Rare-earth doped low silica calcium aluminosilicate glasses for near and mid infrared applications. <i>Journal of Non-Crystalline Solids</i> , 2000 , 276, 8-18	3.9	33
29	Spectroscopic properties of water free Nd ₂ O ₃ -doped low silica calcium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2000 , 277, 73-81	3.9	41
28	Temperature dependence of thermo-optical properties of fluoride glasses determined by thermal lens spectrometry. <i>Physical Review B</i> , 1999 , 60, 15173-15178	3.3	71
27	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

26	Voltammetric response of a copper(II) complex incorporated in silica-modified carbon-paste electrode. <i>Analytica Chimica Acta</i> , 1999 , 385, 103-109	6.6	31
25	Thermal Diffusivity Measurements in Lyotropic Ferronematics: Mode Mismatched Thermal Lens. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 332, 569-575		2
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23	Thermal-optical properties of Ga:La:S glasses measured by thermal lens technique. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 222-226	3.9	20
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14	Time-resolved Z-scan and thermal lens measurements in Er ³⁺ and Nd ³⁺ doped fluorindate glasses. <i>Journal of Non-Crystalline Solids</i> , 1997 , 213-214, 225-230	3.9	29
13	Neodymium concentration dependence of thermo-optical properties in low silica calcium aluminate glasses. <i>Journal of Non-Crystalline Solids</i> , 1997 , 219, 165-169	3.9	33
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