

Cid Bartolomeu de Arajo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7758215/cid-bartolomeu-de-araajo-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

341
papers

7,574
citations

42
h-index

64
g-index

413
ext. papers

8,502
ext. citations

3
avg, IF

6.03
L-index

#	Paper	IF	Citations
341	Er ³⁺ -doped BaTiO ₃ nanocrystals for thermometry: Influence of nanoenvironment on the sensitivity of a fluorescence based temperature sensor. <i>Applied Physics Letters</i> , 2004 , 84, 4753-4755	3.4	244
340	Random fiber laser. <i>Physical Review Letters</i> , 2007 , 99, 153903	7.4	204
339	Enhancement of Pr ³⁺ luminescence in PbO-GeO ₂ glasses containing silver nanoparticles. <i>Applied Physics Letters</i> , 2005 , 87, 241914	3.4	124
338	Frequency upconversion in Er ³⁺ doped PbO-GeO ₂ glasses containing metallic nanoparticles. <i>Applied Physics Letters</i> , 2007 , 90, 081913	3.4	119
337	Energy transfer and frequency upconversion in Yb ³⁺ -Er ³⁺ -doped PbO-GeO ₂ glass containing silver nanoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 239-242	1.9	114
336	Temperature sensor based on frequency upconversion in Er/sup 3+/-doped fluoroindate glass. <i>IEEE Photonics Technology Letters</i> , 1995 , 7, 1474-1476	2.2	108
335	Measurements of nondegenerate optical nonlinearity using a two-color single beam method. <i>Applied Physics Letters</i> , 1991 , 59, 2666-2668	3.4	105
334	High-order nonlinearities of aqueous colloids containing silver nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 2948	1.7	101
333	Influence of silver nanoparticles in the luminescence efficiency of Pr ³⁺ -doped tellurite glasses. <i>Journal of Applied Physics</i> , 2007 , 102, 103515	2.5	99
332	Eu ³⁺ luminescence in tellurite glasses with gold nanostructures. <i>Optics Communications</i> , 2008 , 281, 108-112	92	
331	Robust two-dimensional spatial solitons in liquid carbon disulfide. <i>Physical Review Letters</i> , 2013 , 110, 013901	7.4	88
330	Frequency upconversion in Er ³⁺ -doped fluoroindate glasses pumped at 1.48 μ m. <i>Physical Review B</i> , 1997 , 55, 6335-6342	3.3	87
329	Multiphonon absorption coefficients in solids: a universal curve. <i>Journal of Physics C: Solid State Physics</i> , 1983 , 16, 5929-5936		86
328	Techniques for nonlinear optical characterization of materials: a review. <i>Reports on Progress in Physics</i> , 2016 , 79, 036401	14.4	78
327	Influence of metallic nanoparticles on electric-dipole and magnetic-dipole transitions of Eu ³⁺ -doped germanate glasses. <i>Journal of Applied Physics</i> , 2010 , 107, 113506	2.5	77
326	Infrared-to-visible CW frequency upconversion in Er ³⁺ -doped fluoroindate glasses. <i>Applied Physics Letters</i> , 1996 , 68, 602-604	3.4	75
325	Photoluminescence enhancement by gold nanoparticles in Eu ³⁺ doped GeO ₂ Bi ₂ O ₃ glasses. <i>Applied Physics Letters</i> , 2009 , 94, 101912	3.4	74

324	Reflection Z-scan technique for measurements of optical properties of surfaces. <i>Applied Physics Letters</i> , 1994 , 65, 1067-1069	3.4	74
323	Two-dimensional solitons in a quintic-septimal medium. <i>Physical Review A</i> , 2014 , 90,	2.6	69
322	Frequency upconversion of orange light into blue light in Pr ³⁺ -doped fluoroindate glasses. <i>Physical Review B</i> , 1994 , 50, 16219-16223	3.3	67
321	Optical spectroscopy and frequency upconversion properties of Tm ³⁺ doped tungstate fluorophosphate glasses. <i>Journal of Applied Physics</i> , 2003 , 93, 1493-1497	2.5	63
320	Optical limiting behavior of a glass-ceramic containing sodium niobate crystallites. <i>Applied Physics Letters</i> , 2001 , 79, 584-586	3.4	60
319	Observation of L [∞] distribution and replica symmetry breaking in random lasers from a single set of measurements. <i>Scientific Reports</i> , 2016 , 6, 27987	4.9	59
318	Spatial phase modulation due to quintic and septic nonlinearities in metal colloids. <i>Optics Express</i> , 2014 , 22, 22456-69	3.3	59
317	Surface-plasmon-enhanced frequency upconversion in Pr ³⁺ doped tellurium-oxide glasses containing silver nanoparticles. <i>Journal of Applied Physics</i> , 2008 , 103, 093526	2.5	57
316	High-order optical nonlinearities in plasmonic nanocomposites—review. <i>Advances in Optics and Photonics</i> , 2017 , 9, 720	16.7	54
315	Improved synthesis of gold and silver nanoshells. <i>Langmuir</i> , 2013 , 29, 4366-72	4	53
314	Solvent effects on the linear and nonlinear optical response of silver nanoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 92, 61-66	1.9	53
313	Luminescence enhancement of Pb ²⁺ ions in TeO ₂ -B ₂ O ₃ -GeO ₂ glasses containing silver nanostructures. <i>Journal of Applied Physics</i> , 2006 , 99, 123522	2.5	52
312	Dependence of random laser emission on silver nanoparticle density in PMMA films containing rhodamine 6G. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1118	1.7	51
311	Nonlinearity management of photonic composites and observation of spatial-modulation instability due to quintic nonlinearity. <i>Physical Review A</i> , 2014 , 89,	2.6	50
310	Frequency upconversion in Nd ³⁺ doped PbO-GeO ₂ glasses containing silver nanoparticles. <i>Journal of Alloys and Compounds</i> , 2014 , 586, S516-S519	5.7	49
309	Nonlinear susceptibility of colloids consisting of silver nanoparticles in carbon disulfide. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 2444	1.7	49
308	Observation of spatial cross-phase modulation effects in a self-defocusing nonlinear medium. <i>Physical Review Letters</i> , 1992 , 68, 3547-3550	7.4	49
307	Random laser action in dye solutions containing SiO ₂ silica nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 033508	2.5	47

306	Twentyfold blue upconversion emission enhancement through thermal effects in Pr ³⁺ /Yb ³⁺ -codoped fluorindate glasses excited at 1.064 μ m. <i>Journal of Applied Physics</i> , 2000 , 87, 4274-4278	2.5	47
305	Phonon-assisted cooperative energy transfer and frequency upconversion in a Yb ³⁺ /Tb ³⁺ codoped fluorindate glass. <i>Journal of Applied Physics</i> , 2003 , 94, 863-866	2.5	45
304	Third-order optical nonlinearity of a transparent glass ceramic containing sodium niobate nanocrystals. <i>Physical Review B</i> , 2004 , 69,	3.3	44
303	Thermally enhanced frequency upconversion in Nd ³⁺ -doped fluorindate glass. <i>Journal of Applied Physics</i> , 2001 , 90, 4498-4501	2.5	44
302	Femtosecond dynamics of semiconductor-doped glasses using a new source of incoherent light. <i>Applied Physics Letters</i> , 1990 , 56, 2279-2281	3.4	44
301	Random laser action from flexible biocellulose-based device. <i>Journal of Applied Physics</i> , 2014 , 115, 083108	3.5	43
300	Cooperative frequency upconversion in Yb ³⁺ /Tb ³⁺ codoped fluorindate glass. <i>Optics Communications</i> , 1998 , 158, 61-64	2	43
299	Enhanced luminescence of Tb ³⁺ /Eu ³⁺ doped tellurium oxide glass containing silver nanostructures. <i>Journal of Applied Physics</i> , 2009 , 105, 103505	2.5	42
298	Continuous wave ultraviolet frequency upconversion due to triads of Nd ³⁺ ions in fluorindate glass. <i>Applied Physics Letters</i> , 1997 , 70, 683-685	3.4	42
297	Thermally managed eclipse Z-scan. <i>Optics Express</i> , 2007 , 15, 1712-7	3.3	42
296	Site-selective spectroscopy via energy up-conversion in CaF ₂ :Pr ³⁺ . <i>Physical Review B</i> , 1986 , 33, 4493-4500	3.3	42
295	Observation of photonic paramagnetic to spin-glass transition in a specially designed TiO ₂ particle-based dye-colloidal random laser. <i>Optics Letters</i> , 2016 , 41, 3459-62	3	41
294	Third-order nonlinear optical properties of bismuth-borate glasses measured by conventional and thermally managed eclipse Z scan. <i>Journal of Applied Physics</i> , 2007 , 101, 033115	2.5	41
293	Tungstate fluorophosphate glasses as optical limiters. <i>Journal of Applied Physics</i> , 2002 , 91, 10221	2.5	41
292	Glassy behavior in a one-dimensional continuous-wave erbium-doped random fiber laser. <i>Physical Review A</i> , 2016 , 94,	2.6	40
291	Stability conditions for one-dimensional optical solitons in cubic-quintic-septimal media. <i>Physical Review A</i> , 2015 , 92,	2.6	40
290	Observation of L ^q y statistics in one-dimensional erbium-based random fiber laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 293	1.7	39
289	Influence of silver nanoparticles on the infrared-to-visible frequency upconversion in Tm ³⁺ /Er ³⁺ /Yb ³⁺ doped GeO ₂ -PbO glass. <i>Journal of Applied Physics</i> , 2013 , 113, 153507	2.5	38

288	Luminescence of Tb ³⁺ doped TeO ₂ -Na ₂ O-PbO glasses containing silver nanoparticles. <i>Journal of Applied Physics</i> , 2008 , 104, 093531	2.5	38
287	. <i>IEEE Journal of Quantum Electronics</i> , 1990 , 26, 1277-1284	2	38
286	Synthesis of silver nanoprisms: A photochemical approach using light emission diodes. <i>Materials Chemistry and Physics</i> , 2014 , 148, 1184-1193	4.4	37
285	Influence of the heat treatment on the nucleation of silver nanoparticles in Tm ³⁺ doped PbO-GeO ₂ glasses. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 103, 165-169	1.9	36
284	Frequency upconversion luminescence from Yb ³⁺ /Tm ³⁺ codoped PbO-GeO ₂ glasses containing silver nanoparticles. <i>Journal of Applied Physics</i> , 2009 , 106, 063522	2.5	36
283	Optical properties and frequency upconversion fluorescence in a Tm ³⁺ -doped alkali niobium tellurite glass. <i>Journal of Applied Physics</i> , 2003 , 93, 3259-3263	2.5	36
282	Higher-order correlation on polarization beats in Markovian stochastic fields. <i>Physical Review A</i> , 2001 , 63,	2.6	36
281	Silver nanoparticles enhanced photoluminescence of Nd ³⁺ doped germanate glasses at 1064 nm. <i>Optical Materials</i> , 2016 , 60, 25-29	3.3	35
280	Silk fibroin biopolymer films as efficient hosts for DFB laser operation. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7181	7.1	35
279	Investigation of Eu ³⁺ luminescence intensification in Al ₂ O ₃ powders codoped with Tb ³⁺ and prepared by low-temperature direct combustion synthesis. <i>Applied Physics Letters</i> , 2006 , 88, 081908	3.4	35
278	Multi-photon excited coherent random laser emission in ZnO powders. <i>Nanoscale</i> , 2015 , 7, 317-23	7.7	34
277	Frequency upconversion properties of Tm ³⁺ doped TeO ₂ -ZnO glasses containing silver nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S504-S506	5.7	34
276	Upconversion of infrared-to-visible light in Pr ³⁺ /Yb ³⁺ codoped fluoroindate glass. <i>Optics Communications</i> , 1998 , 153, 271-274	2	34
275	Nonlinear optical absorption of antimony and lead oxyhalide glasses. <i>Applied Physics Letters</i> , 2002 , 81, 4694-4696	3.4	34
274	Interference between third- and fifth-order polarizations in semiconductor doped glasses. <i>Physical Review Letters</i> , 1993 , 71, 3649-3652	7.4	34
273	Lineshape of cooperative two-photon absorption by atom pairs in solids. <i>Chemical Physics Letters</i> , 1980 , 73, 71-74	2.5	33
272	White light generation controlled by changing the concentration of silver nanoparticles hosted by Ho ³⁺ /Tm ³⁺ /Yb ³⁺ doped GeO ₂ -PbO glasses. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 155-158	5.7	32
271	Upconversion luminescence in Er ³⁺ doped and Er ³⁺ /Yb ³⁺ codoped zirconia and hafnia nanocrystals excited at 980 nm. <i>Journal of Applied Physics</i> , 2010 , 107, 113508	2.5	32

270	Energy transfer assisted frequency upconversion in Ho ³⁺ doped fluoroindate glass. <i>Journal of Applied Physics</i> , 2002 , 91, 1272-1276	2.5	32
269	Doppler-free evanescent wave spectroscopy. <i>Optics Communications</i> , 1986 , 59, 103-106	2	32
268	UV random laser emission from flexible ZnO-Ag-enriched electrospun cellulose acetate fiber matrix. <i>Scientific Reports</i> , 2019 , 9, 11765	4.9	31
267	Multi-wavelength emission through self-induced second-order wave-mixing processes from a Nd ³⁺ doped crystalline powder random laser. <i>Scientific Reports</i> , 2015 , 5, 13816	4.9	31
266	Upconversion ultraviolet random lasing in Nd ³⁺ doped fluoroindate glass powder. <i>Optics Express</i> , 2011 , 19, 5620-6	3.3	31
265	Nonlinear characterization of materials using the D4 method inside a Z-scan 4f-system. <i>Optics Letters</i> , 2013 , 38, 2206-8	3	30
264	Near-infrared third-order nonlinearity of PbO-TeO ₂ films containing Cu and Cu ₂ O nanoparticles. <i>Applied Physics Letters</i> , 2008 , 92, 141916	3.4	30
263	Fluorescence intensity ratio technique for Sm ³⁺ doped calibo glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 69, 509-12	4.4	30
262	Ultrafast nonlinearity of antimony polyphosphate glasses. <i>Applied Physics Letters</i> , 2003 , 83, 1292-1294	3.4	30
261	Frequency up-conversion in a borate glass doped with Pr ³⁺ . <i>Chemical Physics Letters</i> , 1988 , 148, 334-336	2.5	30
260	Absolute determination of the two-photon-absorption coefficient relative to the inverse Raman cross section. <i>Physical Review B</i> , 1977 , 16, 1711-1716	3.3	30
259	Nonlinear optical properties of PbO-TeO ₂ films containing gold nanoparticles. <i>Journal of Luminescence</i> , 2013 , 133, 180-183	3.8	29
258	Frequency upconversion properties of Ag: TeO ₂ -ZnO nanocomposites codoped with Yb ³⁺ and Tm ³⁺ ions. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 104, 1029-1034	1.9	29
257	Influence of stabilizing agents on the nonlinear susceptibility of silver nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 2136	1.7	29
256	Infrared-to-visible upconversion emission in Er ³⁺ doped TeO ₂ -WO ₃ -Bi ₂ O ₃ glasses with silver nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 112, 063519	2.5	28
255	Avalanche upconversion in Er ³⁺ doped fluoroindate glass. <i>Applied Physics Letters</i> , 1997 , 70, 3084-3086	3.4	28
254	Tm ³⁺ doped Bi ₂ O ₃ -GeO ₂ glasses with silver nanoparticles for optical amplifiers in the short-wave-infrared-region. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 58-63	5.7	28
253	High-order nonlinearity of silica-gold nanoshells in chloroform at 1560 nm. <i>Optics Express</i> , 2010 , 18, 21633-44	3.4	27

252	Influence of the temperature on the nucleation of silver nanoparticles in Tm ³⁺ /Yb ³⁺ codoped PbO-GeO ₂ glasses. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2465-2467	3.9	27
251	Infrared-to-visible upconversion in Yb ³⁺ /Er ³⁺ co-doped PbO-GeO ₂ glass with silver nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2598-2601	3.9	26
250	Amplified spontaneous emission in Tm ³⁺ -doped monomode optical fibers in the visible region. <i>Applied Physics Letters</i> , 1990 , 57, 2169-2171	3.4	26
249	Silk fibroin as a biotemplate for hierarchical porous silica monoliths for random laser applications. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2712-2723	7.1	25
248	Robust self-trapping of vortex beams in a saturable optical medium. <i>Physical Review A</i> , 2016 , 93,	2.6	25
247	Guiding and confinement of light induced by optical vortex solitons in a cubic-quintic medium. <i>Optics Letters</i> , 2016 , 41, 191-4	3	25
246	Photoinduced effects in thin films of Te ₂₀ As ₃₀ Se ₅₀ glass with nonlinear characterization. <i>Applied Physics Letters</i> , 2009 , 94, 061122	3.4	25
245	Method to determine the phase dispersion of the third-order susceptibility. <i>Optics Letters</i> , 1991 , 16, 630-2	3	25
244	Frequency upconversion in a Pr ³⁺ doped chalcogenide glass containing silver nanoparticles. <i>Journal of Applied Physics</i> , 2008 , 103, 103526	2.5	24
243	Femtosecond nonlinear optical properties of lead-germanium oxide amorphous films. <i>Applied Physics Letters</i> , 2007 , 90, 231906	3.4	24
242	Investigation of picosecond optical nonlinearity in porphyrin metal complexes derivatives. <i>Chemical Physics Letters</i> , 2000 , 318, 511-516	2.5	24
241	Thermal sensitivity of frequency upconversion in Al ₄ B ₂ O ₉ :Yb ³⁺ /Nd ³⁺ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1240-1246	7.1	23
240	Measurements of the third- and fifth-order optical nonlinearities of water at 532 and 1064 nm using the D4 method. <i>Optics Letters</i> , 2014 , 39, 5046-9	3	23
239	Hyper-Rayleigh scattering from BaTiO ₃ and PbTiO ₃ nanocrystals. <i>Chemical Physics Letters</i> , 2009 , 467, 335-338	2.5	23
238	Infrared-to-green and blue upconversion in Tm ³⁺ -doped TeO ₂ -B ₂ O ₃ glass. <i>Journal of Applied Physics</i> , 2008 , 103, 053514	2.5	23
237	Enhanced frequency upconversion in Er ³⁺ doped fluoroindate glass due to energy transfer from Tm ³⁺ . <i>Journal of Non-Crystalline Solids</i> , 2002 , 311, 318-322	3.9	23
236	The role of Bi ₂ O ₃ on the thermal, structural, and optical properties of tungsten-phosphate glasses. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 408-14	3.4	22
235	Optical spectroscopy and upconversion luminescence in Nd ³⁺ doped Ga ₁₀ Ge ₂₅ S ₆₅ glass. <i>Journal of Applied Physics</i> , 2009 , 106, 103512	2.5	22

234	Dynamics of energy transfer and frequency upconversion in Tm ³⁺ doped fluoroindate glass. <i>Journal of Applied Physics</i> , 2004 , 96, 2530-2534	2.5	22
233	Frequency upconversion involving triads and quartets of ions in a Pr ³⁺ /Nd ³⁺ codoped fluoroindate glass. <i>Journal of Applied Physics</i> , 2002 , 92, 3065-3070	2.5	22
232	Triad spectroscopy via ultraviolet up-conversion in Pr ³⁺ :LaF ₃ . <i>Physical Review B</i> , 1985 , 32, 7139-7142	3.3	22
231	Recent advances and applications of random lasers and random fiber lasers. <i>Progress in Quantum Electronics</i> , 2021 , 78, 100343	9.1	22
230	Laser Ablated Silver Nanoparticles with Nearly the Same Size in Different Carrier Media. <i>Journal of Nanomaterials</i> , 2010 , 2010, 1-7	3.2	21
229	Nonlinear refraction properties of nickel oxide thin films at 800 nm. <i>Journal of Applied Physics</i> , 2009 , 106, 093517	2.5	21
228	Frequency upconversion in rare-earth doped fluoroindate glasses. <i>Comptes Rendus Chimie</i> , 2002 , 5, 885-898	2.5	21
227	Two-photon absorption in mesoionic compounds pumped at the visible and at the infrared. <i>Chemical Physics Letters</i> , 2000 , 332, 13-18	2.5	21
226	Trapping-states contributions to the optical nonlinearity of Cd(S,Se)-doped glasses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992 , 9, 2230	1.7	21
225	An optimization procedure for the design of all-optical switches based on metal-dielectric nanocomposites. <i>Optics Express</i> , 2015 , 23, 7659-66	3.3	20
224	Extreme-value statistics of intensities in a cw-pumped random fiber laser. <i>Physical Review A</i> , 2017 , 96,	2.6	20
223	Two-color random laser based on a Nd ³⁺ doped crystalline powder. <i>Journal of Luminescence</i> , 2017 , 181, 44-48	3.8	20
222	Silver nanoparticle in situ growth within crosslinked poly(ester-co-styrene) induced by UV irradiation: aggregation control with exposure time. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 729-733	3.9	20
221	Nonlinear optical properties of tungstate fluorophosphate glasses. <i>Journal of Applied Physics</i> , 2004 , 96, 2525-2529	2.5	20
220	Enhanced optical limiting performance of a nonlinear absorber in a solution containing scattering nanoparticles. <i>Optics Letters</i> , 2002 , 27, 740-2	3	20
219	Two-color Z-scan technique with enhanced sensitivity. <i>Applied Physics Letters</i> , 1995 , 66, 1581-1583	3.4	20
218	Raman-assisted polarization beats in time-delayed four-wave mixing. <i>Optics Letters</i> , 1992 , 17, 1052-4	3	20
217	Optimal performance of NdAl ₃ (BO ₃) ₄ nanocrystals random lasers. <i>Optical Materials</i> , 2016 , 62, 593-596	3.3	19

216	Tunable ultraviolet and blue light generation from Nd:YAB random laser bolstered by second-order nonlinear processes. <i>Scientific Reports</i> , 2016 , 6, 27107	4.9	19
215	Characterization of topological charge and orbital angular momentum of shaped optical vortices. <i>Optics Express</i> , 2014 , 22, 30315-24	3.3	19
214	Giant enhancement of phonon-assisted one-photon excited frequency upconversion in a Nd ³⁺ -doped tellurite glass. <i>Journal of Applied Physics</i> , 2013 , 113, 053102	2.5	19
213	Microchip Random Laser based on a disordered TiO ₂ -nanomembranes arrangement. <i>Optics Express</i> , 2012 , 20, 17380-5	3.3	19
212	Frequency upconversion in Nd ³⁺ -doped fluoroindate glass. <i>Journal of Non-Crystalline Solids</i> , 1997 , 213-214, 256-260	3.9	19
211	Blue light emission in thulium doped silica-on-silicon waveguides. <i>Optics Communications</i> , 1997 , 141, 137-140	2	19
210	Synthesis of Ordered Macroporous Pt/Ru Nanocomposites for the Electrooxidation of Methanol. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 979-985	1.3	19
209	Second harmonic scattered light from a transparent glass-ceramic containing sodium niobate nanocrystals. <i>Applied Physics Letters</i> , 2006 , 89, 031901	3.4	19
208	Picosecond Z-scan measurements on a glass-ceramic containing sodium niobate nanocrystals. <i>Optics Communications</i> , 2002 , 203, 441-444	2	19
207	Antimony orthophosphate glasses with large nonlinear refractive indices, low two-photon absorption coefficients, and ultrafast response. <i>Journal of Applied Physics</i> , 2005 , 97, 013505	2.5	19
206	New measurements of the two-photon absorption in GaP, CdS, and ZnSe relative to Raman cross sections. <i>Physical Review B</i> , 1978 , 18, 30-38	3.3	19
205	Quantum-statistical theory of the nonlinear excitation of magnons in parallel pumping experiments. <i>Physical Review B</i> , 1974 , 10, 3961-3968	3.3	19
204	Interplay between random laser performance and self-frequency conversions in Nd x Y 1.00% Al ₃ (BO ₃) ₄ nanocrystals powders. <i>Optical Materials</i> , 2016 , 54, 262-268	3.3	19
203	Nonlinear optical response of platinum nanoparticles and platinum ions embedded in sapphire. <i>Optics Express</i> , 2016 , 24, 9955-65	3.3	19
202	Ly Statistics and the Glassy Behavior of Light in Random Fiber Lasers. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 644	2.6	18
201	Direct three-photon excitation of upconversion random laser emission in a weakly scattering organic colloidal system. <i>Optics Express</i> , 2014 , 22, 14305-10	3.3	18
200	Third-order nonlinearity of nickel oxide nanoparticles in toluene. <i>Optics Letters</i> , 2007 , 32, 1435-7	3	18
199	Nonlinear absorption of new mesoionic compounds. <i>Optics Communications</i> , 2006 , 264, 225-228	2	18

198	Characterization of light-induced modification of the nonlinear refractive index using a one-laser-shot nonlinear imaging technique. <i>Applied Physics Letters</i> , 2004 , 85, 3740-3742	3-4	18
197	Reflection of a Gaussian beam from a saturable absorber. <i>Optics Communications</i> , 1996 , 123, 637-641	2	18
196	Infrared nonlinearity of commercial Cd(S, Se) glass composites. <i>Optics Communications</i> , 1992 , 87, 19-22	2	18
195	All-optical power-controlled switching in wave mixing: application to semiconductor-doped glasses. <i>Optics Letters</i> , 1993 , 18, 414-6	3	18
194	Upconversion photoluminescence in GeO ₂ -PbO glass codoped with Nd ³⁺ and Yb ³⁺ . <i>Optical Materials</i> , 2016 , 60, 313-317	3-3	18
193	Coupled-plasmon induced optical nonlinearities in anisotropic arrays of gold nanorod clusters supported in a polymeric film. <i>Journal of Applied Physics</i> , 2017 , 121, 143103	2-5	17
192	Three-photon excitation of an upconversion random laser in ZnO-on-Si nanostructured films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1975	1-7	17
191	White light generation in Tm ³⁺ /Ho ³⁺ /Yb ³⁺ doped PbO-GeO ₂ glasses excited at 980 nm. <i>Journal of Applied Physics</i> , 2013 , 114, 163515	2-5	17
190	Enhanced optical properties of germanate and tellurite glasses containing metal or semiconductor nanoparticles. <i>Scientific World Journal, The</i> , 2013 , 2013, 385193	2-2	17
189	Optical limiting behavior of bismuth oxide-based glass in the visible range. <i>Applied Physics Letters</i> , 2006 , 89, 211912	3-4	17
188	Spectroscopy, energy transfer, and frequency upconversion in Tm ³⁺ -doped TeO ₂ -PbO glass. <i>Journal of Applied Physics</i> , 2007 , 102, 043505	2-5	17
187	Measurements of pK _a of organic molecules using third-order nonlinear optics. <i>Chemical Physics Letters</i> , 2000 , 330, 347-353	2-5	17
186	Negative nonlinear absorption in Er ³⁺ -doped fluoroindate glass. <i>Journal of Applied Physics</i> , 1998 , 84, 2263-2267	2-5	17
185	Shift and broadening of electronic transitions in a dilute antiferromagnet: Fe _{1-x} Zn _x F ₂ . <i>Physical Review B</i> , 1980 , 22, 266-272	3-3	17
184	Phosphotellurite glass and glass-ceramics with high TeO contents: thermal, structural and optical properties. <i>Dalton Transactions</i> , 2019 , 48, 6261-6272	4-3	16
183	Bichromatic random laser from a powder of rhodamine-doped sub-micrometer silica particles. <i>Journal of Applied Physics</i> , 2014 , 115, 043515	2-5	16
182	Influence of gold nanoparticles on the 1.53 μm optical gain in Er ³⁺ /Yb ³⁺ : PbO-GeO ₂ RIB waveguides. <i>Optics Express</i> , 2014 , 22, 16424-30	3-3	16
181	Photoluminescence from germanate glasses containing silicon nanocrystals and erbium ions. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 106, 1015-1018	1-9	16

180	Production and characterization of RF-sputtered PbO-GeO ₂ amorphous thin films containing silver and gold nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2602-2605	3.9	16
179	Nonresonant third-order nonlinear properties of NaPO ₃ WO ₃ Bi ₂ O ₃ glasses in the near infrared. <i>Journal of Applied Physics</i> , 2009 , 106, 063507	2.5	16
178	Saturation effects in the nonlinear-optical susceptibility of poly(3-hexadecylthiophene). <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 609	1.7	16
177	Nonlinear absorption of transparent glass ceramics containing sodium niobate nanocrystals. <i>Physical Review B</i> , 2007 , 76,	3.3	16
176	Picosecond third-order nonlinearity of lead-oxide glasses in the infrared. <i>Applied Physics Letters</i> , 2005 , 87, 221904	3.4	16
175	Four-wave mixing in strongly driven four-level systems. <i>Physical Review A</i> , 1988 , 38, 5688-5697	2.6	16
174	Random lasing in Nd ³⁺ doped potassium gadolinium tungstate crystal powder. <i>Journal of Applied Physics</i> , 2015 , 117, 083102	2.5	15
173	Ultrafast dynamics of mesoionic liquid solutions studied with incoherent light. <i>Chemical Physics Letters</i> , 2001 , 347, 163-166	2.5	15
172	Novel fabrication process of planar waveguides in rare-earth doped fluoroindate glasses. <i>Applied Physics Letters</i> , 1995 , 67, 886-887	3.4	15
171	Time-resolved picosecond optical nonlinearity and all-optical Kerr gate in poly(3-hexadecylthiophene). <i>Applied Physics Letters</i> , 1996 , 69, 2166-2168	3.4	15
170	Spatial phase modulation due to the thermal nonlinearity in semiconductor-doped glasses. <i>Physical Review B</i> , 1994 , 50, 9092-9097	3.3	15
169	Light Scattering, Absorption, and Refraction due to High-Order Optical Nonlinearities in Colloidal Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	14
168	Structural and luminescence properties of Nd ³⁺ /Yb ³⁺ codoped Al ₄ B ₂ O ₉ nanocrystalline powders. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11689-11696	7.1	14
167	Nonlinear Refraction and Absorption of Ag ₂₉ Nanoclusters: Evidence for Two-Photon Absorption Saturation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18682-18689	3.8	14
166	Optical and structural characterization of iron oxide and cobalt oxide thin films at 800 nm. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 313-321	1.9	14
165	Shaping optical beams with topological charge. <i>Optics Letters</i> , 2013 , 38, 1579-81	3	14
164	Upconversion luminescence in Er ³⁺ doped Ga ₁₀ Ge ₂₅ S ₆₅ glass and glass-ceramic excited in the near-infrared. <i>Journal of Applied Physics</i> , 2013 , 113, 083520	2.5	14
163	Three- and four-photon excited upconversion luminescence in terbium doped lutetium silicate powders by femtosecond laser irradiation. <i>Optical Materials Express</i> , 2013 , 3, 1803	2.6	14

162	Violet-blue emissions due to frequency up-conversion in Nd ³⁺ -doped fluorindate glasses. <i>Journal of Luminescence</i> , 1997 , 72-74, 68-70	3.8	14
161	Z-scan measurements of the nonlinear refraction in retinal derivatives. <i>Chemical Physics Letters</i> , 1997 , 276, 445-449	2.5	14
160	Nonlinear optical response of polyaniline liquid solutions. <i>Optics Communications</i> , 1998 , 157, 187-192	2	14
159	Upconversion in Er ³⁺ -doped ZrO ₂ nanocrystals pumped at 1.426 μm. <i>Journal of Applied Physics</i> , 2008 , 103, 053507	2.5	14
158	Probing the nuclear susceptibility of mesoionic compounds using two-beam coupling with chirp-controlled pulses. <i>Chemical Physics Letters</i> , 2007 , 449, 101-106	2.5	14
157	Two-photon absorption in TeO ₂ -PbO glasses excited at 532 and 590 nm. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 441-443	2.6	14
156	Violet and blue light amplification in Nd ³⁺ -doped fluorindate glasses. <i>Journal of Applied Physics</i> , 1999 , 85, 6782-6785	2.5	14
155	Saturation and coherence properties of three-magnon nonlinear processes. <i>Physical Review B</i> , 1974 , 9, 3074-3076	3.3	14
154	Photoluminescence and nonlinear optical phenomena in plasmonic random media: A review of recent works. <i>Journal of Luminescence</i> , 2016 , 169, 492-496	3.8	13
153	Nonlinear optical properties of Bi ₂ O ₃ -GeO ₂ glass at 800 and 532 nm. <i>Journal of Applied Physics</i> , 2013 , 114, 073503	2.5	13
152	Ultrafast dephasing of localized surface plasmons in colloidal silver nanoparticles: the influence of stabilizing agents. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 108, 9-16	1.9	13
151	Third- and fifth-order susceptibilities of cobalt oxide nanoparticles dispersed in n-heptane. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 1613	1.7	13
150	Stokes luminescence and frequency upconversion in Pr ³⁺ doped TeO ₂ -PbO glass. <i>Journal of Applied Physics</i> , 2007 , 101, 123514	2.5	13
149	Ultrafast light-induced dichroism in silver nanoparticles. <i>Physical Review B</i> , 2004 , 70,	3.3	13
148	Directional laserlike emission from a dye-doped polymer containing rutile nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 564	1.7	13
147	Changes in porphyrin nonlinear absorption owing to interaction with bovine serum albumin. <i>Applied Optics</i> , 2000 , 39, 4431-5	1.7	13
146	Third-order nonlinear optical properties of undoped polyaniline solutions and films probed at 532 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001 , 18, 1099	1.7	13
145	Nonlinear-optical properties of a poly(vinyl alcohol)-polyaniline interpenetrating polymer network. <i>Optics Letters</i> , 1995 , 20, 554-6	3	13

144	Two-photon excitation of the 4f5d band of Pr ³⁺ and interconfigurational energy transfer in LaF ₃ :(Pr ³⁺ ,Gd ³⁺). <i>Physical Review B</i> , 1986 , 34, 126-130	3.3	13
143	Intensity effects in resonant four-wave mixing. <i>Physical Review A</i> , 1982 , 25, 2430-2433	2.6	13
142	Upconversion emission of BaTiO ₃ :Er ³⁺ nanocrystals: influence of temperature and surrounding medium. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2143-8	1.3	12
141	Nonlinear luminescence in Eu ³⁺ -doped Y ₂ O ₃ powders pumped at 355 nm. <i>Chemical Physics Letters</i> , 2006 , 428, 134-137	2.5	12
140	Infrared to visible image frequency conversion in Cd(S,Se) glass composites. <i>Applied Physics Letters</i> , 1989 , 54, 1956-1958	3.4	12
139	Giant enhancement of the Raman scattering by local magnon modes in FeF ₂ :Mn ²⁺ . <i>Solid State Communications</i> , 1980 , 35, 627-630	1.6	12
138	Light scattering in a dilute antiferromagnet : Fe _{1-x} Zn _x F ₂ . <i>Journal of Applied Physics</i> , 1979 , 50, 2033-2035	2.5	12
137	Second-order nonlinearity of NaNbO ₃ nanocrystals with orthorhombic crystalline structure. <i>Journal of Luminescence</i> , 2019 , 211, 121-126	3.8	11
136	Near-infrared nonlinearity of a multicomponent tellurium oxide glass at 800 and 1,064 nm. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 116, 1-5	1.9	11
135	Laserlike emission from silica inverse opals infiltrated with Rhodamine 6G. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 1846-1849	3.9	11
134	Near-infrared nonlinear properties of a glass-ceramic containing sodium niobate nanocrystals. <i>Journal of Applied Physics</i> , 2003 , 94, 6223-6225	2.5	11
133	Z-scan studies and quantum chemical calculations of meso-tetrakis(p-sulfonatophenyl)porphyrin and meso-tetrakis(4-N-methyl-pyridiniumyl)porphyrin and their Fe(III) and Mn(III) complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2001 , 05, 51-57	1.8	11
132	Up-conversion fluorescence spectroscopy in Pr ³⁺ doped optical fibers. <i>Optics Communications</i> , 1991 , 84, 279-282	2	11
131	Nonlinear effects and photonic phase transitions in Nd-doped nanocrystal-based random lasers. <i>Applied Optics</i> , 2020 , 59, D155-D162	1.7	11
130	Femtosecond Nonlinear Optical Properties of 2D Metallic NbS ₂ in the Near Infrared. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15425-15433	3.8	10
129	Replica Symmetry Breaking in the Photonic Ferromagneticlike Spontaneous Mode-Locking Phase of a Multimode Nd:YAG Laser. <i>Physical Review Letters</i> , 2017 , 119, 163902	7.4	10
128	Red up-conversion emission from nanocrystalline GaN powders co-doped with Er ³⁺ and Yb ³⁺ . <i>Optical Materials</i> , 2009 , 31, 800-804	3.3	10
127	Energy transfer between Pr ³⁺ ions in a fluoroindate glass. <i>Journal of Non-Crystalline Solids</i> , 1998 , 226, 265-272	3.9	10

126	Interference effects in time-delayed degenerate four-wave mixing with broadband noisy light. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 973	1.7	10
125	Reverse saturable absorption and anti-Stokes fluorescence in mesoionic compounds pumped at 532 nm. <i>Applied Optics</i> , 2001 , 40, 1389-95	1.7	10
124	Molecular hyperpolarizabilities of retinal derivatives. <i>Journal of Chemical Physics</i> , 1999 , 111, 5102-5106	3.9	10
123	Giant non-linear absorption in Er ³⁺ -doped fluoroindate glass. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 209-214	3.9	10
122	Diode pumped avalanche upconversion in Pr ³⁺ -doped fibers. <i>Optics Communications</i> , 1993 , 103, 361-364		10
121	Random laser in Nd:YBO ₃ nanocrystalline powders presenting luminescence concentration quenching. <i>Journal of Luminescence</i> , 2019 , 214, 116543	3.8	9
120	Enhanced Er ³⁺ photoluminescence in TeO ₂ /ZnO glass containing silicon nanocrystals. <i>Applied Physics B: Lasers and Optics</i> , 2015 , 121, 117-121	1.9	9
119	Near-infrared Kerr nonlinearity of Pb(PO ₃) ₂ /WO ₃ glasses. <i>Journal of Applied Physics</i> , 2010 , 108, 103523	2.5	9
118	Nonlinear refractive index measurements in antimony sulfide glass films using a single beam nonlinear image technique. <i>Optics Communications</i> , 2006 , 260, 723-726	2	9
117	Stimulated effects in one-photon resonant interferometric four-wave mixing with incoherent light. <i>Optics Letters</i> , 2001 , 26, 262-4	3	9
116	Measurement of optical gain at 670 nm in an oxazine-doped polyimide planar waveguide. <i>Applied Physics Letters</i> , 1996 , 69, 3653-3655	3.4	9
115	Single bead near-infrared random laser based on silica-gel infiltrated with Rhodamine 640. <i>Journal of Applied Physics</i> , 2018 , 123, 133104	2.5	8
114	Structural properties and near infrared photoluminescence of Nd ³⁺ doped YBO ₃ nanocrystals. <i>Optical Materials</i> , 2019 , 95, 109227	3.3	8
113	Nonlinear optical properties of antimony germanium sulfur glasses at 1560 nm. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 499-502	1.9	8
112	Luminescence properties and optical dephasing in a glass-ceramic containing sodium-niobate nanocrystals. <i>Journal of Applied Physics</i> , 2011 , 109, 113108	2.5	8
111	Laser-induced conical diffraction due to cross-phase modulation in a transparent medium. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 1269	1.7	8
110	Exploitation of the Z-scan technique as a method to optically probe pK(a) in organic materials: application to porphyrin derivatives. <i>Optics Letters</i> , 2000 , 25, 323-5	3	8
109	Control of nonlinear absorption and amplification of light in Er ³⁺ -doped fluoroindate glass. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999 , 16, 1995	1.7	8

108	Light-controlled beam deflector in semiconductor doped glasses. <i>Applied Physics Letters</i> , 1993 , 63, 3553-3555	3.4	8
107	Visible up-converted superfluorescence in Tm ³⁺ doped fibers. <i>Journal of Luminescence</i> , 1991 , 48-49, 876-880	3.8	8
106	Observation of femtosecond beats using Raman radiation from SiO ₂ optical fibres. <i>Electronics Letters</i> , 1990 , 26, 92	1.1	8
105	Raman scattering by magnetic excitations in disordered FeF ₂ . <i>Journal of Raman Spectroscopy</i> , 1981 , 10, 173-177	2.3	8
104	Influence of Al ₂ O ₃ on the photoluminescence and optical gain performance of Nd ³⁺ doped germanate and tellurite glasses. <i>Optical Materials</i> , 2020 , 109, 110342	3.3	8
103	Urchin-like artificial gallium oxide nanowires grown by a novel MOCVD/CVD-based route for random laser application. <i>Journal of Applied Physics</i> , 2016 , 119, 163107	2.5	8
102	Femtosecond nonlinear refraction of 2D semi-metallic redox exfoliated ZrTe ₂ at 800 nm. <i>Applied Physics Letters</i> , 2021 , 118, 011101	3.4	8
101	Measurements of the nonlinear refractive index in scattering media using the Scattered Light Imaging Method--SLIM. <i>Optics Express</i> , 2015 , 23, 19512-21	3.3	7
100	Monolayer 2D ZrTe transition metal dichalcogenide as nanoscatteer for random laser action. <i>Nanoscale</i> , 2020 , 12, 15706-15710	7.7	7
99	Picosecond nonlinearity of GeO ₂ Bi ₂ O ₃ PbO-TiO ₂ glasses at 532 and 1,064 nm. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 117, 891-895	1.9	7
98	All-optical switching in rare-earth doped channel waveguide. <i>Applied Physics Letters</i> , 1995 , 66, 413-415	3.4	7
97	Collision-assisted second-harmonic generation from Rydberg atoms. <i>Physical Review A</i> , 1991 , 44, 733-736	6.6	7
96	Dispersion of coherence spikes of incoherent broadband dye lasers. <i>Optics Communications</i> , 1989 , 73, 475-478	2	7
95	Third-order optical measurements of porphyrin compounds using Dark-field and D4EZ scan imaging techniques. <i>Journal of Luminescence</i> , 2018 , 199, 319-322	3.8	6
94	Nonlinear refractive index of electric field aligned gold nanorods suspended in index matching oil measured with a Hartmann-Shack wavefront aberrometer. <i>Optics Express</i> , 2018 , 26, 20298-20305	3.3	6
93	Silver nanoparticles formation within unsaturated polyester/styrene resins induced by UV irradiation and thermal treatment. <i>Polymer Engineering and Science</i> , 2010 , 50, 2350-2355	2.3	6
92	Spectrally resolved femtosecond Maker fringes technique. <i>Applied Physics Letters</i> , 2008 , 92, 091109	3.4	6
91	All-optical gate with picosecond response in semiconductor-doped glasses. <i>Electronics Letters</i> , 1989 , 25, 720-722	1.1	6

90	Raman scattering by magnons and phonons in (MnFe)F ₂ and (FeZn)F ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 1983 , 31-34, 557-559	2.8	6
89	Large third-order nonlinear susceptibility from a gold metasurface far off the plasmonic resonance. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 1485	1.7	6
88	Linear and third-order nonlinear optical properties of self-assembled plasmonic gold metasurfaces. <i>Nanophotonics</i> , 2020 , 9, 725-740	6.3	6
87	First Hyperpolarizability of 1,3-Thiazolium-5-Thiolates Mesoionic Compounds. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 677-683	3.8	6
86	Observation and analysis of creation, decay, and regeneration of annular soliton clusters in a lossy cubic-quintic optical medium. <i>Physical Review A</i> , 2020 , 102,	2.6	5
85	Observation and Analysis of Incoherent Second-Harmonic Generation in Gold Nanoclusters with Six Atoms. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15440-15447	3.8	5
84	Nonlinear optical behavior of two tetrathiafulvalene derivatives in the picosecond regime. <i>Chemical Physics Letters</i> , 2018 , 702, 16-20	2.5	5
83	Enhanced blue photoluminescence of B ₂ O ₃ -CaF ₂ glass-ceramics containing silver nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 40-43	5.7	5
82	Taming the emerging beams after the split of optical vortex solitons in a saturable medium. <i>Physical Review A</i> , 2016 , 93,	2.6	5
81	Ultraviolet dynamical optical limiting in a glass containing NaNbO ₃ nanocrystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1284	1.7	5
80	Stokes and anti-Stokes luminescence of Er ³⁺ doped Ga ₁₀ Ge ₂₅ S ₆₅ glass excited at 980 and 532 nm. <i>Journal of Applied Physics</i> , 2010 , 108, 093514	2.5	5
79	Potassium source for ion-exchange glass waveguide fabrication. <i>Applied Optics</i> , 1997 , 36, 5949	1.7	5
78	Limit of accuracy for fluorescence lifetime temperature sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 116-8	4.4	5
77	Optical properties and energy transfer processes in (Tm ³⁺ , Nd ³⁺) doped tungstate fluorophosphate glass. <i>Journal of Applied Physics</i> , 2006 , 99, 113525	2.5	5
76	Energy transfer between Pr ³⁺ ions in a borate glass: (B ₂ O ₃) _{0.7} (CaF ₂) _{0.3} . <i>Journal of Luminescence</i> , 1988 , 42, 221-225	3.8	5
75	Two-photon absorption in hexagonal-CdS. <i>Solid State Communications</i> , 1983 , 48, 967-970	1.6	5
74	Ultraviolet two-photon absorption in alkali halides. <i>Physical Review B</i> , 1982 , 26, 1044-1047	3.3	5
73	Fifth-order optical nonlinear response of semiconducting 2D LTMD MoS. <i>Optics Letters</i> , 2021 , 46, 226-229		5

72	Influence of fifth-order nonlinearities on the statistical fluctuations in emission intensities in a photonic open-cavity complex system. <i>Physical Review A</i> , 2020 , 102,	2.6	4
71	Influence of the Fifth-Order Nonlinearity of Gold Nanorods on the Performance of Random Lasers. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 10705-10709	3.8	4
70	Engineering of CdTe Multicore in ZnO Nanoshell as a New Charge-Transfer Material. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18372-18376	3.8	4
69	Picosecond cubic and quintic nonlinearity of lithium niobate at 532 nm. <i>Journal of Applied Physics</i> , 2017 , 122, 083103	2.5	4
68	Nonlinear polarization instability in cubic-quintic plasmonic nanocomposites. <i>Optics Express</i> , 2017 , 25, 21049-21067	3.3	4
67	Optically Detected Thermal Effects in Rare-Earth Doped Materials for Host Characterization, Thermometric Devices, Nanothermometry and Biothermometry. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	4
66	Energy transfer and frequency upconversion involving triads of Pr ³⁺ ions in (Pr ³⁺ , Gd ³⁺) doped fluorindate glass. <i>Journal of Applied Physics</i> , 2006 , 99, 083505	2.5	4
65	Nonlinear Optical Spectroscopy of Porphyrins and Mesoionic Compounds. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 378, 113-122	0.5	4
64	Infrared-to-blue frequency upconversion in a Pr ³⁺ -doped silicate fiber. <i>Physical Review B</i> , 1996 , 54, 9126-9130	3.3	4
63	Influence of strong light beams on the nonlinear refraction and absorption coefficients of transparent materials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 3411	1.7	4
62	Curves described analytically through propagation analysis of transverse irradiance moments. <i>Optics Letters</i> , 2016 , 41, 2081-4	3	4
61	Germanium oxide glass based metal-dielectric nanocomposites: fabrication and optical characterization: a review of new developments. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 16781-16788	2.1	3
60	Nonlinear optical characterization of tetraphenylporphyrin in the picosecond regime 2015 ,		3
59	Femtosecond third-harmonic generation in a glass ceramic containing sodium niobate nanocrystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1077	1.7	3
58	One-Photon Resonant Interferometric Four-Wave Mixing with Broadband Noisy Light. <i>Optics and Photonics News</i> , 2001 , 12, 40	1.9	3
57	Light-induced inhomogeneous broadening in dye solution probed by wave-mixing with broadband lasers. <i>Optics Communications</i> , 1999 , 171, 125-130	2	3
56	Nonlinear optical properties of organic materials 1999 ,		3
55	Raman-assisted spatial cross phase modulation in carbon disulfide. <i>Physical Review A</i> , 1995 , 51, 4910-4912	2.6	3

54	Time shortening of laser pulses as an application of dynamical light-bending effects. <i>Optics Communications</i> , 1994 , 110, 615-619	2	3
53	Phase measurements of the fifth-order susceptibility of Cd(S, Se)-doped glasses. <i>Optics Communications</i> , 1993 , 102, 89-92	2	3
52	Cascade contributions in the high-order optical nonlinearity measurement. <i>Optics Communications</i> , 1993 , 100, 193-196	2	3
51	Comment on 'Visible-wavelength amplified spontaneous emission in a neodymium-doped optical fiber pumped at 1064 nm' [Appl. Phys. Lett. 54, 875 (1989)]. <i>Applied Physics Letters</i> , 1989 , 55, 2250-2251	3-4	3
50	Coherent excitation of phonon polaritons in a centrosymmetric crystal. <i>Physical Review Letters</i> , 1986 , 56, 1475-1477	7-4	3
49	Reply to 'Comment on multiphoton absorption in solids: a universal curve'. <i>Journal of Physics C: Solid State Physics</i> , 1984 , 17, L331-L332		3
48	Raman scattering by phonons in $\text{Fe}_{1-x}\text{Zn}_x\text{F}_2$ and $\text{Fe}_{1-x}\text{Mn}_x\text{F}_2$. <i>Physical Review B</i> , 1984 , 30, 3516-3519	3-3	3
47	Critical exponents for the subsidiary resonance in ferromagnets. <i>Physical Review B</i> , 1975 , 11, 561-562	3-3	3
46	Effective model for nonlinear refraction and extinction coefficients in the presence of stimulated light scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2977	1-7	3
45	Upconversion luminescence in europium doped Y_2O_3 powder excited by absorption of three, four, and five infrared photons. <i>Optical Materials Express</i> , 2019 , 9, 3952	2-6	3
44	Thermal and non-thermal intensity dependent optical nonlinearities in ethanol at 800 nm, 1480 nm, and 1560 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, 1104	1-7	3
43	Influence of the Excitation Light Disorder on the Spatial Coherence in the Stimulated Raman Scattering and Random Lasing Coupled Regime. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5919-5926	3-8	3
42	Random laser emission from neodymium doped zinc tellurite glass-powder presenting luminescence concentration quenching. <i>Journal of Luminescence</i> , 2021 , 233, 117936	3-8	3
41	Investigations on the nonlinear optical response and losses of toluene at 532 and 1064 nm in the picosecond regime. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1-9	3
40	Linear and Nonlinear Optical Properties of Some Tellurium Oxide Glasses. <i>Springer Series in Materials Science</i> , 2017 , 15-39	0-9	2
39	Intensity-dependent excitonic dephasing in polyaniline. <i>Chemical Physics Letters</i> , 2003 , 377, 647-653	2-5	2
38	Saturated line shapes in coherent subharmonic Raman scattering. <i>Physical Review A</i> , 1991 , 43, 3724-3728	2-6	2
37	Measurement of optical thickness by polarization beats interferometry. <i>Optics Communications</i> , 1992 , 90, 7-10	2	2

36	Nonlinear mixing spectroscopy of $\text{Fe}_x\text{Zn}_{1-x}\text{F}_2$ and $\text{Fe}_{1-x}\text{Mn}_x\text{F}_2$. <i>Physical Review B</i> , 1983 , 28, 6532-6535	3.3	2
35	Inexpensive low temporal jitter laser triggering circuit. <i>Review of Scientific Instruments</i> , 1983 , 54, 501-502.	7	2
34	Light scattering by magnetic excitons in $(\text{FeMn})\text{F}_2$. <i>Solid State Communications</i> , 1984 , 50, 633-636	1.6	2
33	Light scattering by magnetic excitations in the mixed antiferromagnet $\text{Fe}_{1-x}\text{Mn}_x\text{F}_2$. <i>Physical Review B</i> , 1985 , 32, 428-435	3.3	2
32	Quantum theory of the parametric excitation of magnons by phonon pumping. <i>Physica Status Solidi (B): Basic Research</i> , 1975 , 68, K117-K120	1.3	2
31	Influence of magnetic dipolar interaction on one- and two-magnon scattering of light in ferromagnets. <i>Solid State Communications</i> , 1973 , 12, 839-841	1.6	2
30	Enhancement of Optical Absorption, Photoluminescence and Raman Transitions in $\text{Bi}_2\text{O}_3\text{-GeO}_2$ Glasses with Embedded Silver Nanoparticles. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	2
29	Light Disorder as a Degree of Randomness to Improve the Performance of Random Lasers. <i>Physical Review Applied</i> , 2021 , 15,	4.3	2
28	Visible Luminescence of $\text{Y}_2\text{SiO}_5\text{:Tb}^{3+}$ Powders Excited by Simultaneous Absorption of up to Five Photons in the Short Wavelength IR Band. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3119-3126	3.8	2
27	Third-order nonlinearities and other properties of molybdenum lead-pyrophosphate glass. <i>Optical Materials</i> , 2015 , 42, 298-302	3.3	1
26	Femtosecond laser-written waveguides in thulium-doped fluoroindate glass for S-band amplification. <i>Electronics Letters</i> , 2014 , 50, 540-542	1.1	1
25	Effect of the induced asymmetry of the refractive index in a LiNbO_3 electro-optical modulator channel waveguide. <i>Optics Communications</i> , 1997 , 139, 209-211	2	1
24	Creating and fixing a metal nanoparticle layer on the holes of microstructured fibers for plasmonic applications 2008 ,		1
23	Conical diffraction instability due to cross-phase modulation in Kerr media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 302	1.7	1
22	Multikilohertz all-optical modulator in semiconductor doped glass channel waveguide. <i>Electronics Letters</i> , 1993 , 29, 1246	1.1	1
21	Measurements of the trapped-carriers nonlinearity of commercial semiconductor doped glasses. <i>Optics Communications</i> , 1994 , 110, 627-630	2	1
20	Second harmonic generation from pairs of two-level atoms. <i>Optics Communications</i> , 1992 , 92, 243-246	2	1
19	Electronic Raman scattering in $(\text{Fe,Zn})\text{F}_2$. <i>Journal of Magnetism and Magnetic Materials</i> , 1980 , 15-18, 805-806	806	1

18	Coherent generation of magnons by optical techniques. <i>Journal of Applied Physics</i> , 1978 , 49, 2186-2188	2.5	1
17	Optical Coherence Tomography Imaging of Stenotic Aortic Valve Samples 2010 ,		1
16	Nonlinear Absorption and Optical Limiting Effect in Redox Exfoliated Layered Transition Metal Dichalcogenides 2018 ,		1
15	Controlling light with light in silver-nanospheres and gold-nanorods colloids. <i>Mundo Nano Revista Interdisciplinaria En Nanociencia Y Nanotecnología</i> , 2019 , 13, 1e-16e	0	1
14	Hyper-Rayleigh scattering in 2D redox exfoliated semi-metallic ZrTe transition metal dichalcogenide. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 27845-27849	3.6	1
13	Toward single-shot characterization of nonlinear optical refraction, absorption, and scattering of turbid media. <i>Physical Review A</i> , 2020 , 102,	2.6	1
12	Metal-Dielectric Nanocomposites Based on Germanate and Tellurite Glasses 2019 , 3-18		1
11	High-Order Nonlinearities of Metal-Dielectric Nanocomposites 2019 , 61-86		1
10	On the Coherence Properties of Parametric Magnon States. <i>Physica Status Solidi (B): Basic Research</i> , 1976 , 75, 327-332	1.3	0
9	Optical properties of B ₂ O ₃ -CaF ₂ glass-ceramics doped with silver nanoparticles and praseodymium ions. <i>Journal of Luminescence</i> , 2021 , 238, 118225	3.8	0
8	Feature issue introduction: colloidal systems. <i>Optical Materials Express</i> , 2017 , 7, 654	2.6	
7	Determination of Acid-Base Equilibrium Constant of Organic Molecules and Biomolecules with 3rd-Order Nonlinear Optics. <i>Optics and Photonics News</i> , 2000 , 11, 25	1.9	
6	Theory of second-harmonic generation from atom pairs in solids. <i>Physical Review B</i> , 1994 , 50, 6620-6625	3.3	
5	Nonlinear Polarization Beats Spectroscopy. <i>Optics and Photonics News</i> , 1992 , 3, 9_1	1.9	
4	Excitation of the E _u polariton in a centrosymmetric crystal by four-wave mixing. <i>Optical and Quantum Electronics</i> , 1989 , 21, 235-240	2.4	
3	Up-converted ultraviolet emission in Pr ³⁺ : LaF ₃ . <i>Journal of Luminescence</i> , 1984 , 31-32, 811-813	3.8	
2	Thermal and non-thermal intensity dependent optical nonlinearities in ethanol at 800 nm, 1480 nm, and 1560 nm: erratum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022 , 39, 500	1.7	
1	(INVITED) Nanoparticles-based photonic metal-dielectric composites: A survey of recent results. <i>Optical Materials: X</i> , 2021 , 12, 100098	1.7	

