Cid Bartolomeu de Arajo

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.

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	Thermal and non-thermal intensity dependent optical nonlinearities in ethanol at 800 nm, 1480 nm, and 1560 nm: erratum. *Journal of the Optical Society of America B: Optical Physics*, **2022**, 39, 500	1.7	
340	(INVITED) Nanoparticles-based photonic metal–dielectric composites: A survey of recent results. *Optical Materials: X*, **2021**, 12, 100098	1.7	
339	Thermal and non-thermal intensity dependent optical nonlinearities in ethanol at 800 nm, 1480 nm, and 1560 nm. *Journal of the Optical Society of America B: Optical Physics*, **2021**, 38, 1104	1.7	3
338	Influence of the Excitation Light Disorder on the Spatial Coherence in the Stimulated Raman Scattering and Random Lasing Coupled Regime. *Journal of Physical Chemistry C*, **2021**, 125, 5919-5926	3.8	3
337	Random laser emission from neodymium doped zinc tellurite glass-powder presenting luminescence concentration quenching. *Journal of Luminescence*, **2021**, 233, 117936	3.8	3
336	Light Disorder as a Degree of Randomness to Improve the Performance of Random Lasers. *Physical Review Applied*, **2021**, 15,	4.3	2
335	Femtosecond nonlinear refraction of 2D semi-metallic redox exfoliated ZrTe2 at 800 nm. *Applied Physics Letters*, **2021**, 118, 011101	3.4	8
334	Recent advances and applications of random lasers and random fiber lasers. *Progress in Quantum Electronics*, **2021**, 78, 100343	9.1	22
333	Optical properties of B2O3–CaF2 glass-ceramics doped with silver nanoparticles and praseodymium ions. *Journal of Luminescence*, **2021**, 238, 118225	3.8	0
332	Fifth-order optical nonlinear response of semiconducting 2D LTMD MoS. *Optics Letters*, **2021**, 46, 226-229	3	5
331	Visible Luminescence of Y2SiO5:Tb3+ Powders Excited by Simultaneous Absorption of up to Five Photons in the Short Wavelength IR Band. *Journal of Physical Chemistry C*, **2021**, 125, 3119-3126	3.8	2
330	Influence of fifth-order nonlinearities on the statistical fluctuations in emission intensities in a photonic open-cavity complex system. *Physical Review A*, **2020**, 102,	2.6	4
329	Observation and analysis of creation, decay, and regeneration of annular soliton clusters in a lossy cubic-quintic optical medium. *Physical Review A*, **2020**, 102,	2.6	5
328	Observation and Analysis of Incoherent Second-Harmonic Generation in Gold Nanoclusters with Six Atoms. *Journal of Physical Chemistry C*, **2020**, 124, 15440-15447	3.8	5
327	Femtosecond Nonlinear Optical Properties of 2D Metallic NbS2 in the Near Infrared. *Journal of Physical Chemistry C*, **2020**, 124, 15425-15433	3.8	10
326	Monolayer 2D ZrTe transition metal dichalcogenide as nanoscatter for random laser action. *Nanoscale*, **2020**, 12, 15706-15710	7.7	7
325	Influence of the Fifth-Order Nonlinearity of Gold Nanorods on the Performance of Random Lasers. *Journal of Physical Chemistry C*, **2020**, 124, 10705-10709	3.8	4

324	Nonlinear effects and photonic phase transitions in Nd-doped nanocrystal-based random lasers. *Applied Optics*, **2020**, 59, D155-D162	1.7	11
323	Linear and third-order nonlinear optical properties of self-assembled plasmonic gold metasurfaces. *Nanophotonics*, **2020**, 9, 725-740	6.3	6
322	Influence of Al2O3 on the photoluminescence and optical gain performance of Nd3+ doped germanate and tellurite glasses. *Optical Materials*, **2020**, 109, 110342	3.3	8
321	Hyper-Rayleigh scattering in 2D redox exfoliated semi-metallic ZrTe transition metal dichalcogenide. *Physical Chemistry Chemical Physics*, **2020**, 22, 27845-27849	3.6	1
320	Toward single-shot characterization of nonlinear optical refraction, absorption, and scattering of turbid media. *Physical Review A*, **2020**, 102,	2.6	1
319	Random laser in Nd:YBO3 nanocrystalline powders presenting luminescence concentration quenching. *Journal of Luminescence*, **2019**, 214, 116543	3.8	9
318	Germanium oxide glass based metal-dielectric nanocomposites: fabrication and optical characterization: a review of new developments. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 16781-16788	2.1	3
317	Light Scattering, Absorption, and Refraction due to High-Order Optical Nonlinearities in Colloidal Gold Nanorods. *Journal of Physical Chemistry C*, **2019**,	3.8	14
316	Second-order nonlinearity of NaNbO3 nanocrystals with orthorhombic crystalline structure. *Journal of Luminescence*, **2019**, 211, 121-126	3.8	11
315	Phosphotellurite glass and glass-ceramics with high TeO contents: thermal, structural and optical properties. *Dalton Transactions*, **2019**, 48, 6261-6272	4.3	16
314	UV random laser emission from flexible ZnO-Ag-enriched electrospun cellulose acetate fiber matrix. *Scientific Reports*, **2019**, 9, 11765	4.9	31
313	Structural properties and near infrared photoluminescence of Nd3+ doped YBO3 nanocrystals. *Optical Materials*, **2019**, 95, 109227	3.3	8
312	Large third-order nonlinear susceptibility from a gold metasurface far off the plasmonic resonance. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, 1485	1.7	6
311	Influence of strong light beams on the nonlinear refraction and absorption coefficients of transparent materials. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, 3411	1.7	4
310	Upconversion luminescence in europium doped Y2O3 powder excited by absorption of three, four, and five infrared photons. *Optical Materials Express*, **2019**, 9, 3952	2.6	3
309	Controlling light with light in silver-nanospheres and gold-nanorods colloids. *Mundo Nano Revista Interdisciplinaria En Nanociencia Y Nanotecnologa*, **2019**, 13, 1e-16e	0	1
308	Tm3+ doped Bi2O3-GeO2 glasses with silver nanoparticles for optical amplifiers in the short-wave-infrared-region. *Journal of Alloys and Compounds*, **2019**, 772, 58-63	5.7	28
307	Metal-Dielectric Nanocomposites Based on Germanate and Tellurite Glasses **2019**, 3-18		1

306	High-Order Nonlinearities of Metal-Dielectric Nanocomposites **2019**, 61-86		1
305	First Hyperpolarizability of 1,3-Thiazolium-5-Thiolates Mesoionic Compounds. *Journal of Physical Chemistry C*, **2019**, 123, 677-683	3.8	6
304	Single bead near-infrared random laser based on silica-gel infiltrated with Rhodamine 640. *Journal of Applied Physics*, **2018**, 123, 133104	2.5	8
303	Silk fibroin as a biotemplate for hierarchical porous silica monoliths for random laser applications. *Journal of Materials Chemistry C*, **2018**, 6, 2712-2723	7.1	25
302	Nonlinear optical behavior of two tetrathiafulvalene derivatives in the picosecond regime. *Chemical Physics Letters*, **2018**, 702, 16-20	2.5	5
301	Third-order optical measurements of porphyrin compounds using Dark-field and D4□Z scan imaging techniques. *Journal of Luminescence*, **2018**, 199, 319-322	3.8	6
300	Enhanced blue photoluminescence of B2O3-CaF2 glass-ceramics containing silver nanoparticles. *Journal of Alloys and Compounds*, **2018**, 749, 40-43	5.7	5
299	Nonlinear Refraction and Absorption of Ag29 Nanoclusters: Evidence for Two-Photon Absorption Saturation. *Journal of Physical Chemistry C*, **2018**, 122, 18682-18689	3.8	14
298	Nonlinear refractive index of electric field aligned gold nanorods suspended in index matching oil measured with a Hartmann-Shack wavefront aberrometer. *Optics Express*, **2018**, 26, 20298-20305	3.3	6
297	Effective model for nonlinear refraction and extinction coefficients in the presence of stimulated light scattering. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 2977	1.7	3
296	Nonlinear Absorption and Optical Limiting Effect in Redox Exfoliated Layered Transition Metal Dichalcogenides **2018**,		1
295	Thermal sensitivity of frequency upconversion in Al4B2O9:Yb3+/Nd3+ nanoparticles. *Journal of Materials Chemistry C*, **2017**, 5, 1240-1246	7.1	23
294	Coupled-plasmon induced optical nonlinearities in anisotropic arrays of gold nanorod clusters supported in a polymeric film. *Journal of Applied Physics*, **2017**, 121, 143103	2.5	17
293	Linear and Nonlinear Optical Properties of Some Tellurium Oxide Glasses. *Springer Series in Materials Science*, **2017**, 15-39	0.9	2
292	High-order optical nonlinearities in plasmonic nanocomposites□ review. *Advances in Optics and Photonics*, **2017**, 9, 720	16.7	54
291	Observation of L□y statistics in one-dimensional erbium-based random fiber laser. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 293	1.7	39
290	L□y Statistics and the Glassy Behavior of Light in Random Fiber Lasers. *Applied Sciences (Switzerland)*, **2017**, 7, 644	2.6	18
289	Extreme-value statistics of intensities in a cw-pumped random fiber laser. *Physical Review A*, **2017**, 96,	2.6	20

288	Replica Symmetry Breaking in the Photonic Ferromagneticlike Spontaneous Mode-Locking Phase of a Multimode Nd:YAG Laser. *Physical Review Letters*, **2017**, 119, 163902	7.4	10
287	Two-color random laser based on a Nd3+ doped crystalline powder. *Journal of Luminescence*, **2017**, 181, 44-48	3.8	20
286	Picosecond cubic and quintic nonlinearity of lithium niobate at 532 nm. *Journal of Applied Physics*, **2017**, 122, 083103	2.5	4
285	Nonlinear polarization instability in cubic-quintic plasmonic nanocomposites. *Optics Express*, **2017**, 25, 21049-21067	3.3	4
284	Feature issue introduction: colloidal systems. *Optical Materials Express*, **2017**, 7, 654	2.6	
283	Optimal performance of NdAl3(BO3)4 nanocrystals random lasers. *Optical Materials*, **2016**, 62, 593-596	3.3	19
282	Glassy behavior in a one-dimensional continuous-wave erbium-doped random fiber laser. *Physical Review A*, **2016**, 94,	2.6	40
281	Robust self-trapping of vortex beams in a saturable optical medium. *Physical Review A*, **2016**, 93,	2.6	25
280	Taming the emerging beams after the split of optical vortex solitons in a saturable medium. *Physical Review A*, **2016**, 93,	2.6	5
279	Observation of photonic paramagnetic to spin-glass transition in a specially designed TiO2 particle-based dye-colloidal random laser. *Optics Letters*, **2016**, 41, 3459-62	3	41
278	Silver nanoparticles enhanced photoluminescence of Nd 3+ doped germanate glasses at 1064´nm. *Optical Materials*, **2016**, 60, 25-29	3.3	35
277	Tunable ultraviolet and blue light generation from Nd:YAB random laser bolstered by second-order nonlinear processes. *Scientific Reports*, **2016**, 6, 27107	4.9	19
276	Observation of L□y distribution and replica symmetry breaking in random lasers from a single set of measurements. *Scientific Reports*, **2016**, 6, 27987	4.9	59
275	Photoluminescence and nonlinear optical phenomena in plasmonic random media□A review of recent works. *Journal of Luminescence*, **2016**, 169, 492-496	3.8	13
274	Guiding and confinement of light induced by optical vortex solitons in a cubic-quintic medium. *Optics Letters*, **2016**, 41, 191-4	3	25
273	Techniques for nonlinear optical characterization of materials: a review. *Reports on Progress in Physics*, **2016**, 79, 036401	14.4	78
272	Urchin-like artificial gallium oxide nanowires grown by a novel MOCVD/CVD-based route for random laser application. *Journal of Applied Physics*, **2016**, 119, 163107	2.5	8
271	Interplay between random laser performance and self-frequency conversions in Nd x Y 1.00□ Al 3 (BO 3) 4 nanocrystals powders. *Optical Materials*, **2016**, 54, 262-268	3.3	19

270	D4τ curves described analytically through propagation analysis of transverse irradiance moments. *Optics Letters*, **2016**, 41, 2081-4	3	4
269	Nonlinear optical response of platinum nanoparticles and platinum ions embedded in sapphire. *Optics Express*, **2016**, 24, 9955-65	3.3	19
268	Investigations on the nonlinear optical response and losses of toluene at 532 and 1064 nm in the picosecond regime. *Applied Physics B: Lasers and Optics*, **2016**, 122, 1	1.9	3
267	Upconversion photoluminescence in GeO 2 -PbO glass codoped with Nd 3+ and Yb 3+. *Optical Materials*, **2016**, 60, 313-317	3.3	18
266	Third-order nonlinearities and other properties of molybdenum lead-pyrophosphate glass. *Optical Materials*, **2015**, 42, 298-302	3.3	1
265	White light generation controlled by changing the concentration of silver nanoparticles hosted by Ho3+/Tm3+/Yb3+ doped GeO2PbO glasses. *Journal of Alloys and Compounds*, **2015**, 644, 155-158	5.7	32
264	An optimization procedure for the design of all-optical switches based on metal-dielectric nanocomposites. *Optics Express*, **2015**, 23, 7659-66	3.3	20
263	Measurements of the nonlinear refractive index in scattering media using the Scattered Light Imaging Method--SLIM. *Optics Express*, **2015**, 23, 19512-21	3.3	7
262	Structural and luminescence properties of Nd3+/Yb3+ codoped Al4B2O9 nanocrystalline powders. *Journal of Materials Chemistry C*, **2015**, 3, 11689-11696	7.1	14
261	Enhanced Er3+ photoluminescence in TeO2ZnO glass containing silicon nanocrystals. *Applied Physics B: Lasers and Optics*, **2015**, 121, 117-121	1.9	9
260	Multi-photon excited coherent random laser emission in ZnO powders. *Nanoscale*, **2015**, 7, 317-23	7.7	34
259	Stability conditions for one-dimensional optical solitons in cubic-quintic-septimal media. *Physical Review A*, **2015**, 92,	2.6	40
258	Multi-wavelength emission through self-induced second-order wave-mixing processes from a Nd3+ doped crystalline powder random laser. *Scientific Reports*, **2015**, 5, 13816	4.9	31
257	Optically Detected Thermal Effects in Rare-Earth Doped Materials for Host Characterization, Thermometric Devices, Nanothermometry and Biothermometry. *Journal of the Brazilian Chemical Society*, **2015**,	1.5	4
256	Random lasing in Nd3+ doped potassium gadolinium tungstate crystal powder. *Journal of Applied Physics*, **2015**, 117, 083102	2.5	15
255	Nonlinear optical characterization of tetraphenylporphyrin in the picosecond regime **2015**,		3
254	Enhancement of Optical Absorption, Photoluminescence and Raman Transitions in Bi2O3-GeO2Glasses with Embedded Silver Nanoparticles. *Journal of the Brazilian Chemical Society*, **2015**,	1.5	2
253	Frequency upconversion in Nd3+ doped PbOGeO2 glasses containing silver nanoparticles. *Journal of Alloys and Compounds*, **2014**, 586, S516-S519	5.7	49

252	Bichromatic random laser from a powder of rhodamine-doped sub-micrometer silica particles. *Journal of Applied Physics*, **2014**, 115, 043515	2.5	16
251	Femtosecond laser-written waveguides in thulium-doped fluoroindate glass for S-band amplification. *Electronics Letters*, **2014**, 50, 540-542	1.1	1
250	Measurements of the third- and fifth-order optical nonlinearities of water at 532 and 1064 nm using the D4method. *Optics Letters*, **2014**, 39, 5046-9	3	23
249	Random laser action from flexible biocellulose-based device. *Journal of Applied Physics*, **2014**, 115, 083108	2.5	43
248	Synthesis of silver nanoprisms: A photochemical approach using light emission diodes. *Materials Chemistry and Physics*, **2014**, 148, 1184-1193	4.4	37
247	Engineering of CdTe Multicore in ZnO Nanoshell as a New Charge-Transfer Material. *Journal of Physical Chemistry C*, **2014**, 118, 18372-18376	3.8	4
246	Near-infrared nonlinearity of a multicomponent tellurium oxide glass at 800 and 1,064 nm. *Applied Physics B: Lasers and Optics*, **2014**, 116, 1-5	1.9	11
245	Nonlinearity management of photonic composites and observation of spatial-modulation instability due to quintic nonlinearity. *Physical Review A*, **2014**, 89,	2.6	50
244	Influence of gold nanoparticles on the 1.53 μm optical gain in Er3+/Yb3+: PbO-GeO2 RIB waveguides. *Optics Express*, **2014**, 22, 16424-30	3.3	16
243	Two-dimensional solitons in a quintic-septimal medium. *Physical Review A*, **2014**, 90,	2.6	69
242	Three-photon excitation of an upconversion random laser in ZnO-on-Si nanostructured films. *Journal of the Optical Society of America B: Optical Physics*, **2014**, 31, 1975	1.7	17
241	Characterization of topological charge and orbital angular momentum of shaped optical vortices. *Optics Express*, **2014**, 22, 30315-24	3.3	19
240	Direct three-photon excitation of upconversion random laser emission in a weakly scattering organic colloidal system. *Optics Express*, **2014**, 22, 14305-10	3.3	18
239	Spatial phase modulation due to quintic and septic nonlinearities in metal colloids. *Optics Express*, **2014**, 22, 22456-69	3.3	59
238	Picosecond nonlinearity of GeO2Bi2O3PbOTiO2 glasses at 532 and 1,064 nm. *Applied Physics B: Lasers and Optics*, **2014**, 117, 891-895	1.9	7
237	Silk fibroin biopolymer films as efficient hosts for DFB laser operation. *Journal of Materials Chemistry C*, **2013**, 1, 7181	7.1	35
236	Nonlinear optical properties of Bi2O3-GeO2 glass at 800 and 532 nm. *Journal of Applied Physics*, **2013**, 114, 073503	2.5	13
235	The role of Bi2O3 on the thermal, structural, and optical properties of tungsten-phosphate glasses. *Journal of Physical Chemistry B*, **2013**, 117, 408-14	3.4	22

234	Robust two-dimensional spatial solitons in liquid carbon disulfide. *Physical Review Letters*, **2013**, 110, 013901	7.4	88
233	Nonlinear optical properties of PbO□GeO2 films containing gold nanoparticles. *Journal of Luminescence*, **2013**, 133, 180-183	3.8	29
232	Improved synthesis of gold and silver nanoshells. *Langmuir*, **2013**, 29, 4366-72	4	53
231	Optical and structural characterization of iron oxide and cobalt oxide thin films at 800 nm. *Applied Physics B: Lasers and Optics*, **2013**, 111, 313-321	1.9	14
230	Ultraviolet dynamical optical limiting in a glass containing NaNbO_3 nanocrystals. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 1284	1.7	5
229	Nonlinear characterization of materials using the D4□method inside a Z-scan 4f-system. *Optics Letters*, **2013**, 38, 2206-8	3	30
228	Shaping optical beams with topological charge. *Optics Letters*, **2013**, 38, 1579-81	3	14
227	White light generation in Tm3+/Ho3+/Yb3+ doped PbO-GeO2 glasses excited at 980 nm. *Journal of Applied Physics*, **2013**, 114, 163515	2.5	17
226	Influence of silver nanoparticles on the infrared-to-visible frequency upconversion in Tm3+/Er3+/Yb3+ doped GeO2-PbO glass. *Journal of Applied Physics*, **2013**, 113, 153507	2.5	38
225	Upconversion luminescence in Er3+ doped Ga10Ge25S65 glass and glass-ceramic excited in the near-infrared. *Journal of Applied Physics*, **2013**, 113, 083520	2.5	14
224	Giant enhancement of phonon-assisted one-photon excited frequency upconversion in a Nd3+-doped tellurite glass. *Journal of Applied Physics*, **2013**, 113, 053102	2.5	19
223	Three- and four-photon excited upconversion luminescence in terbium doped lutetium silicate powders by femtosecond laser irradiation. *Optical Materials Express*, **2013**, 3, 1803	2.6	14
222	Enhanced optical properties of germanate and tellurite glasses containing metal or semiconductor nanoparticles. *Scientific World Journal, The*, **2013**, 2013, 385193	2.2	17
221	Ultrafast dephasing of localized surface plasmons in colloidal silver nanoparticles: the influence of stabilizing agents. *Applied Physics B: Lasers and Optics*, **2012**, 108, 9-16	1.9	13
220	Frequency upconversion properties of Tm3+ doped TeO2□ZnO glasses containing silver nanoparticles. *Journal of Alloys and Compounds*, **2012**, 536, S504-S506	5.7	34
219	Infrared-to-visible upconversion emission in Er3+ doped TeO2-WO3-Bi2O3 glasses with silver nanoparticles. *Journal of Applied Physics*, **2012**, 112, 063519	2.5	28
218	Photoluminescence from germanate glasses containing silicon nanocrystals and erbium ions. *Applied Physics B: Lasers and Optics*, **2012**, 106, 1015-1018	1.9	16
217	Microchip Random Laser based on a disordered TiO2-nanomembranes arrangement. *Optics Express*, **2012**, 20, 17380-5	3.3	19

216	Third- and fifth-order susceptibilities of cobalt oxide nanoparticles dispersed in n-heptane. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 1613	1.7	13
215	Femtosecond third-harmonic generation in a glass ceramic containing sodium niobate nanocrystals. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, 1077	1.7	3
214	Dependence of random laser emission on silver nanoparticle density in PMMA films containing rhodamine 6G. *Journal of the Optical Society of America B: Optical Physics*, **2011**, 28, 1118	1.7	51
213	Upconversion ultraviolet random lasing in Nd3+ doped fluoroindate glass powder. *Optics Express*, **2011**, 19, 5620-6	3.3	31
212	Influence of the heat treatment on the nucleation of silver nanoparticles in Tm3+ doped PbO-GeO2 glasses. *Applied Physics B: Lasers and Optics*, **2011**, 103, 165-169	1.9	36
211	Frequency upconversion properties of Ag: TeO2–ZnO nanocomposites codoped with Yb3+ and Tm3+ ions. *Applied Physics B: Lasers and Optics*, **2011**, 104, 1029-1034	1.9	29
210	Luminescence properties and optical dephasing in a glass-ceramic containing sodium-niobate nanocrystals. *Journal of Applied Physics*, **2011**, 109, 113108	2.5	8
209	Upconversion luminescence in Er3+ doped and Er3+/Yb3+ codoped zirconia and hafnia nanocrystals excited at 980 nm. *Journal of Applied Physics*, **2010**, 107, 113508	2.5	32
208	Stokes and anti-Stokes luminescence of Er3+ doped Ga10Ge25S65 glass excited at 980 and 532 nm. *Journal of Applied Physics*, **2010**, 108, 093514	2.5	5
207	Near-infrared Kerr nonlinearity of Pb(PO3)2–WO3 glasses. *Journal of Applied Physics*, **2010**, 108, 103523	2.5	9
206	Influence of metallic nanoparticles on electric-dipole and magnetic-dipole transitions of Eu3+ doped germanate glasses. *Journal of Applied Physics*, **2010**, 107, 113506	2.5	77
205	Upconversion emission of BaTiO3:Er3+ nanocrystals: influence of temperature and surrounding medium. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2143-8	1.3	12
204	Laser Ablated Silver Nanoparticles with Nearly the Same Size in Different Carrier Media. *Journal of Nanomaterials*, **2010**, 2010, 1-7	3.2	21
203	High-order nonlinearity of silica-gold nanoshells in chloroform at 1560 nm. *Optics Express*, **2010**, 18, 21636-44	3.3	27
202	Influence of the temperature on the nucleation of silver nanoparticles in Tm3+/Yb3+ codoped PbO–GeO2 glasses. *Journal of Non-Crystalline Solids*, **2010**, 356, 2465-2467	3.9	27
201	Infrared-to-visible upconversion in Yb3+/Er3+ co-doped PbO–GeO2 glass with silver nanoparticles. *Journal of Non-Crystalline Solids*, **2010**, 356, 2598-2601	3.9	26
200	Production and characterization of RF-sputtered PbO-GeO2 amorphous thin films containing silver and gold nanoparticles. *Journal of Non-Crystalline Solids*, **2010**, 356, 2602-2605	3.9	16
199	Random laser action in dye solutions containing Stöber silica nanoparticles. *Journal of Applied Physics*, **2010**, 108, 033508	2.5	47

198	Silver nanoparticles formation within unsaturated polyester/styrene resins induced by UV irradiation and thermal treatment. *Polymer Engineering and Science*, **2010**, 50, 2350-2355	2.3	6
197	Optical Coherence Tomography Imaging of Stenotic Aortic Valve Samples **2010**,		1
196	Photoluminescence enhancement by gold nanoparticles in Eu3+ doped GeO2–Bi2O3 glasses. *Applied Physics Letters*, **2009**, 94, 101912	3.4	74
195	Nonresonant third-order nonlinear properties of NaPO3–WO3–Bi2O3 glasses in the near infrared. *Journal of Applied Physics*, **2009**, 106, 063507	2.5	16
194	Photoinduced effects in thin films of Te20As30Se50 glass with nonlinear characterization. *Applied Physics Letters*, **2009**, 94, 061122	3.4	25
193	Frequency upconversion luminescence from Yb+3–Tm+3 codoped PbO–GeO2 glasses containing silver nanoparticles. *Journal of Applied Physics*, **2009**, 106, 063522	2.5	36
192	Optical spectroscopy and upconversion luminescence in Nd3+ doped Ga10Ge25S65 glass. *Journal of Applied Physics*, **2009**, 106, 103512	2.5	22
191	Energy transfer and frequency upconversion in Yb3+–Er3+-doped PbO-GeO2 glass containing silver nanoparticles. *Applied Physics B: Lasers and Optics*, **2009**, 94, 239-242	1.9	114
190	Nonlinear optical properties of antimony–germanium–sulfur glasses at 1560 nm. *Applied Physics B: Lasers and Optics*, **2009**, 94, 499-502	1.9	8
189	Red up-conversion emission from nanocrystalline GaN powders co-doped with Er3+ and Yb3+. *Optical Materials*, **2009**, 31, 800-804	3.3	10
188	Hyper-Rayleigh scattering from BaTiO3 and PbTiO3 nanocrystals. *Chemical Physics Letters*, **2009**, 467, 335-338	2.5	23
187	Enhanced luminescence of Tb3+/Eu3+ doped tellurium oxide glass containing silver nanostructures. *Journal of Applied Physics*, **2009**, 105, 103505	2.5	42
186	Nonlinear refraction properties of nickel oxide thin films at 800 nm. *Journal of Applied Physics*, **2009**, 106, 093517	2.5	21
185	Frequency upconversion in a Pr3+ doped chalcogenide glass containing silver nanoparticles. *Journal of Applied Physics*, **2008**, 103, 103526	2.5	24
184	Surface-plasmon-enhanced frequency upconversion in Pr3+ doped tellurium-oxide glasses containing silver nanoparticles. *Journal of Applied Physics*, **2008**, 103, 093526	2.5	57
183	Luminescence of Tb3+ doped TeO2–ZnO–Na2O–PbO glasses containing silver nanoparticles. *Journal of Applied Physics*, **2008**, 104, 093531	2.5	38
182	Synthesis of Ordered Macroporous Pt/Ru Nanocomposites for the Electrooxidation of Methanol. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 979-985	1.3	19
181	Spectrally resolved femtosecond Maker fringes technique. *Applied Physics Letters*, **2008**, 92, 091109	3.4	6

180	Infrared-to-green and blue upconversion in Tm3+-doped TeO2PbO glass. *Journal of Applied Physics*, **2008**, 103, 053514	2.5	23
179	Upconversion in Er3+-doped ZrO2 nanocrystals pumped at 1.426m. *Journal of Applied Physics*, **2008**, 103, 053507	2.5	14
178	Near-infrared third-order nonlinearity of PbOGeO2 films containing Cu and Cu2O nanoparticles. *Applied Physics Letters*, **2008**, 92, 141916	3.4	30
177	Creating and fixing a metal nanoparticle layer on the holes of microstructured fibers for plasmonic applications **2008**,		1
176	Two-photon absorption in TeO2-PbO glasses excited at 532 and 590 nm. *Applied Physics A: Materials Science and Processing*, **2008**, 91, 441-443	2.6	14
175	Solvent effects on the linear and nonlinear optical response of silver nanoparticles. *Applied Physics B: Lasers and Optics*, **2008**, 92, 61-66	1.9	53
174	Fluorescence intensity ratio technique for Sm3+ doped calibo glass. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 69, 509-12	4.4	30
173	Limit of accuracy for fluorescence lifetime temperature sensing. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 71, 116-8	4.4	5
172	Eu3+ luminescence in tellurite glasses with gold nanostructures. *Optics Communications*, **2008**, 281, 108-112	1	92
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