Cid Bartolomeu de AraÃºjo

List of Publications by Year
in descending order

410 papers	9,302 citations	44066 48 h-index	82542 72 g-index
414 all docs	414 docs citations	414 times ranked	5172 citing authors

#	Article	IF	Citations
1	Er3+-doped BaTiO3 nanocrystals for thermometry: Influence of nanoenvironment on the sensitivity of a fluorescence based temperature sensor. Applied Physics Letters, 2004, 84, 4753-4755.	3.3	273
2	Random Fiber Laser. Physical Review Letters, 2007, 99, 153903.	7.8	251
3	Frequency upconversion in Er3+ doped PbOâ€“GeO2 glasses containing metallic nanoparticles. Applied Physics Letters, 2007, 90, 081913.	3.3	136
4	Enhancement of Pr3+ luminescence in PbOâ€“GeO2 glasses containing silver nanoparticles. Applied Physics Letters, 2005, 87, 241914.	3.3	135
5	Energy transfer and frequency upconversion in Yb3+â€“Er3+-doped PbO-GeO2 glass containing silver nanoparticles. Applied Physics B: Lasers and Optics, 2009, 94, 239-242.	2.2	125
6	High-order nonlinearities of aqueous colloids containing silver nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2948.	2.1	121
7	Measurements of nondegenerate optical nonlinearity using a twoâ€color single beam method. Applied Physics Letters, 1991, 59, 2666-2668.	3.3	120
8	Temperature sensor based on frequency upconversion in Er/sup 3+/-doped fluoroindate glass. IEEE Photonics Technology Letters, 1995, 7, 1474-1476.	2.5	118
9	Robust Two-Dimensional Spatial Solitons in Liquid Carbon Disulfide. Physical Review Letters, 2013, 110, 013901.	7.8	118
10	Techniques for nonlinear optical characterization of materials: a review. Reports on Progress in Physics, 2016, 79, 036401.	20.1	111
11	Influence of silver nanoparticles in the luminescence efficiency of Pr3+-doped tellurite glasses. Journal of Applied Physics, 2007, 102, .	2.5	108
12	Recent advances and applications of random lasers and random fiber lasers. Progress in Quantum Electronics, 2021, 78, 100343.	7.0	104
13	Eu3+ luminescence in tellurite glasses with gold nanostructures. Optics Communications, 2008, 281, 108-112.	2.1	103
14	Multiphonon absorption coefficients in solids: a universal curve. Journal of Physics C: Solid State Physics, 1983, 16, 5929-5936.	1.5	97
15	Influence of metallic nanoparticles on electric-dipole and magnetic-dipole transitions of Eu3+ doped germanate glasses. Journal of Applied Physics, 2010, 107, .	2.5	92
16	Frequency upconversion inEr3+-doped fluoroindate glasses pumped at 1.48 Î¼m. Physical Review B, 1997, 55, 6335-6342.	3.2	90
17	Two-dimensional solitons in a quintic-septimal medium. Physical Review A, 2014, 90, .	2.5	90
18	Observation of LÃ©vy distribution and replica symmetry breaking in random lasers from a single set of measurements. Scientific Reports, 2016, 6, 27987.	3.3	85

#	Article	IF	Citations
19	ReflectionZâ€scan technique for measurements of optical properties of surfaces. Applied Physics Letters, 1994, 65, 1067-1069.	3.3	83
20	High-order optical nonlinearities in plasmonic nanocompositesâ€"a review. Advances in Optics and Photonics, 2017, 9, 720.	25.5	83
21	Photoluminescence enhancement by gold nanoparticles in Eu3+ doped GeO2â€"Bi2O3 glasses. Applied Physics Letters, 2009, 94, .	3.3	81
22	Spatial phase modulation due to quintic and septic nonlinearities in metal colloids. Optics Express, 2014, 22, 22456.	3.4	81
23	Infraredâ€toâ€visible CW frequency upconversion in Er3+â€doped fluoroindate glasses. Applied Physics Letters, 1996, 68, 602-604.	3.3	78
24	UV random laser emission from flexible ZnO-Ag-enriched electrospun cellulose acetate fiber matrix. Scientific Reports, 2019, 9, 11765.	3.3	72
25	Frequency upconversion of orange light into blue light inPr3+-doped fluoroindate glasses. Physical Review B, 1994, 50, 16219-16223.	3.2	71
26	Optical limiting behavior of a glassâ€"ceramic containing sodium niobate crystallites. Applied Physics Letters, 2001, 79, 584-586.	3.3	68
27	Nonlinearity management of photonic composites and observation of spatial-modulation instability due to quintic nonlinearity. Physical Review A, 2014, 89, .	2.5	68
28	Improved Synthesis of Gold and Silver Nanoshells. Langmuir, 2013, 29, 4366-4372.	3.5	66
29	Optical spectroscopy and frequency upconversion properties of Tm3+ doped tungstate fluorophosphate glasses. Journal of Applied Physics, 2003, 93, 1493-1497.	2.5	65
30	Surface-plasmon-enhanced frequency upconversion in Pr3+ doped tellurium-oxide glasses containing silver nanoparticles. Journal of Applied Physics, 2008, 103, .	2.5	63
31	Luminescence enhancement of Pb2+ ions in TeO2â€"PbOâ€"GeO2 glasses containing silver nanostructures. Journal of Applied Physics, 2006, 99, 123522.	2.5	62
32	Solvent effects on the linear and nonlinear optical response of silver nanoparticles. Applied Physics B: Lasers and Optics, 2008, 92, 61-66.	2.2	62
33	Random laser action in dye solutions containing StÃ¶ber silica nanoparticles. Journal of Applied Physics, 2010, 108, .	2.5	61
34	Frequency upconversion in Nd3+ doped PbOâ€"GeO2 glasses containing silver nanoparticles. Journal of Alloys and Compounds, 2014, 586, S516-S519.	5.5	61
35	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.	2.1	60
36	Observation of spatial cross-phase modulation effects in a self-defocusing nonlinear medium. Physical Review Letters, 1992, 68, 3547-3550.	7.8	59

#	Article	IF	Citations
37	Nonlinear susceptibility of colloids consisting of silver nanoparticles in carbon disulfide. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2444.	2.1	58
38	Third-order optical nonlinearity of a transparent glass ceramic containing sodium niobate nanocrystals. Physical Review B, 2004, 69, .	3.2	56
39	Glassy behavior in a one-dimensional continuous-wave erbium-doped random fiber laser. Physical Review A, 2016, 94, .	2.5	56
40	Femtosecond dynamics of semiconductorâ€doped glasses using a new source of incoherent light. Applied Physics Letters, 1990, 56, 2279-2281.	3.3	54
41	Twentyfold blue upconversion emission enhancement through thermal effects in Pr3+/Yb3+-codoped fluoroindate glasses excited at 1.064 Î¼m. Journal of Applied Physics, 2000, 87, 4274-4278.	2.5	53
42	Stability conditions for one-dimensional optical solitons in cubic-quintic-septimal media. Physical Review A, 2015, 92, .	2.5	53
43	Observation of photonic paramagnetic to spin-glass transition in a specially designed TiO_2 particle-based dye-colloidal random laser. Optics Letters, 2016, 41, 3459.	3.3	53
44	Observation of LÃ©vy statistics in one-dimensional erbium-based random fiber laser. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 293.	2.1	53
45	Thermally enhanced frequency upconversion in Nd3+-doped fluoroindate glass. Journal of Applied Physics, 2001, 90, 4498-4501.	2.5	51
46	Phonon-assisted cooperative energy transfer and frequency upconversion in a Yb3+/Tb3+ codoped fluoroindate glass. Journal of Applied Physics, 2003, 94, 863-866.	2.5	51
47	Silver nanoparticles enhanced photoluminescence of Nd 3+ doped germanate glasses at 1064Ânm. Optical Materials, 2016, 60, 25-29.	3.6	51
48	Synthesis of silver nanoprisms: A photochemical approach using light emission diodes. Materials Chemistry and Physics, 2014, 148, 1184-1193.	4.0	50
49	Thermally managed eclipse Z-scan. Optics Express, 2007, 15, 1712.	3.4	49
50	Third-order nonlinear optical properties of bismuth-borate glasses measured by conventional and thermally managed eclipse Z scan. Journal of Applied Physics, 2007, 101, 033115.	2.5	48
51	Enhanced luminescence of Tb3+/Eu3+ doped tellurium oxide glass containing silver nanostructures. Journal of Applied Physics, 2009, 105, 103505.	2.5	48
52	Random laser action from flexible biocellulose-based device. Journal of Applied Physics, 2014, 115, 083108.	2.5	47
53	Cooperative frequency upconversion in Yb3+â€“Tb3+ codoped fluoroindate glass. Optics Communications, 1998, 158, 61-64.	2.1	46
54	Frequency upconversion properties of Tm3+ doped TeO2â€“ZnO glasses containing silver nanoparticles. Journal of Alloys and Compounds, 2012, 536, S504-S506.	5.5	46

#	Article	IF	Citations
55	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	46
56	Continuous wave ultraviolet frequency upconversion due to triads of Nd3+ ions in fluoroindate glass. Applied Physics Letters, 1997, 70, 683-685.	3.3	45
57	Tungstate fluorophosphate glasses as optical limiters. Journal of Applied Physics, 2002, 91, 10221.	2.5	45
58	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.	2.2	44
59	Nonlinear characterization of materials using the D4Ïƒ method inside a Z-scan 4f-system. Optics Letters, 2013, 38, 2206.	3.3	44
60	Guiding and confinement of light induced by optical vortex solitons in a cubicâ€“quintic medium. Optics Letters, 2016, 41, 191.	3.3	44
61	Luminescence of Tb3+ doped TeO2â€“ZnOâ€“Na2Oâ€“PbO glasses containing silver nanoparticles. Journal of Applied Physics, 2008, 104, .	2.5	43
62	Site-selective spectroscopy via energy up-conversion inCaF2:Pr3+. Physical Review B, 1986, 33, 4493-4500.	3.2	42
63	Higher-order correlation on polarization beats in Markovian stochastic fields. Physical Review A, 2001, 63, .	2.5	42
64	White light generation controlled by changing the concentration of silver nanoparticles hosted by Ho3+/Tm3+/Yb3+ doped GeO2â€“PbO glasses. Journal of Alloys and Compounds, 2015, 644, 155-158.	5.5	42
65	Nonlinear optical absorption of antimony and lead oxyhalide glasses. Applied Physics Letters, 2002, 81, 4694-4696.	3.3	41
66	Upconversion luminescence in Er3+ doped and Er3+/Yb3+ codoped zirconia and hafnia nanocrystals excited at 980 nm. Journal of Applied Physics, 2010, 107, .	2.5	41
67	Upconversion ultraviolet random lasing in Nd^3+ doped fluoroindate glass powder. Optics Express, 2011, 19, 5620.	3.4	41
68	Ultrafast nonlinearity of antimony polyphosphate glasses. Applied Physics Letters, 2003, 83, 1292-1294.	3.3	40
69	Silk fibroin biopolymer films as efficient hosts for DFB laser operation. Journal of Materials Chemistry C, 2013, 1, 7181.	5.5	40
70	Multi-wavelength emission through self-induced second-order wave-mixing processes from a Nd3+ doped crystalline powder random laser. Scientific Reports, 2015, 5, 13816.	3.3	40
71	Robust self-trapping of vortex beams in a saturable optical medium. Physical Review A, 2016, 93, .	2.5	40
72	Ultrafast chi /sup (3)/-related processes in semiconductor doped glasses. IEEE Journal of Quantum Electronics, 1990, 26, 1277-1284.	1.9	38

#	Article	IF	Citations
73	Interference between third- and fifth-order polarizations in semiconductor doped glasses. Physical Review Letters, 1993, 71, 3649-3652.	7.8	38
74	Energy transfer assisted frequency upconversion in Ho3+ doped fluoroindate glass. Journal of Applied Physics, 2002, 91, 1272-1276.	2.5	38
75	Investigation of Eu3+ luminescence intensification in Al2O3 powders codoped with Tb3+ and prepared by low-temperature direct combustion synthesis. Applied Physics Letters, 2006, 88, 081908.	3.3	38
76	Frequency upconversion luminescence from Yb+3â€“Tm+3 codoped PbOâ€“GeO2 glasses containing silver nanoparticles. Journal of Applied Physics, 2009, 106, 063522.	2.5	38
77	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.	5.5	38
78	Optical properties and frequency upconversion fluorescence in a Tm3+ -doped alkali niobium tellurite glass. Journal of Applied Physics, 2003, 93, 3259-3263.	2.5	37
79	Doppler-free evanescent wave spectroscopy. Optics Communications, 1986, 59, 103-106.	2.1	36
80	Upconversion of infrared-to-visible light in Pr3+â€“Yb3+ codoped fluoroindate glass. Optics Communications, 1998, 153, 271-274.	2.1	36
81	Infrared-to-visible upconversion emission in Er3+ doped TeO2-WO3-Bi2O3 glasses with silver nanoparticles. Journal of Applied Physics, 2012, 112, .	2.5	36
82	High-order nonlinearity of silica-gold nanoshells in chloroform at 1560 nm. Optics Express, 2010, 18, 21636.	3.4	35
83	The Role of Bi₂O₃ on the Thermal, Structural, and Optical Properties of Tungsten-Phosphate Glasses. Journal of Physical Chemistry B, 2013, 117, 408-414.	2.6	35
84	Nonlinear optical properties of PbOâ€“GeO2 films containing gold nanoparticles. Journal of Luminescence, 2013, 133, 180-183.	3.1	35
85	Multi-photon excited coherent random laser emission in ZnO powders. Nanoscale, 2015, 7, 317-323.	5.6	35
86	Extreme-value statistics of intensities in a cw-pumped random fiber laser. Physical Review A, 2017, 96, .	2.5	35
87	Lineshape of cooperative two-photon absorption by atom pairs in solids. Chemical Physics Letters, 1980, 73, 71-74.	2.6	34
88	Absolute determination of the two-photon-absorption coefficient relative to the inverse Raman cross section. Physical Review B, 1977, 16, 1711-1716.	3.2	33
89	Influence of stabilizing agents on the nonlinear susceptibility of silver nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2136.	2.1	33
90	Fluorescence intensity ratio technique for Sm3+ doped calibo glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 509-512.	3.9	33

#	ARTICLE	IF	CITATIONS
91	Frequency upconversion properties of Ag: TeO2â€“ZnO nanocomposites codoped with Yb3+ and Tm3+ ions. Applied Physics B: Lasers and Optics, 2011, 104, 1029-1034.	2.2	32
92	LÃ©vy Statistics and the Glassy Behavior of Light in Random Fiber Lasers. Applied Sciences (Switzerland), 2017, 7, 644.	2.5	32
93	Frequency up-conversion in a borate glass doped with Pr3+. Chemical Physics Letters, 1988, 148, 334-336.	2.6	31
94	Investigation of picosecond optical nonlinearity in porphyrin metal complexes derivatives. Chemical Physics Letters, 2000, 318, 511-516.	2.6	31
95	Near-infrared third-order nonlinearity of PbOâ€“GeO2 films containing Cu and Cu2O nanoparticles. Applied Physics Letters, 2008, 92, .	3.3	31
96	Two-color random laser based on a Nd3+ doped crystalline powder. Journal of Luminescence, 2017, 181, 44-48.	3.1	31
97	Photoinduced effects in thin films of Te20As30Se50 glass with nonlinear characterization. Applied Physics Letters, 2009, 94, .	3.3	30
98	Hyper-Rayleigh scattering from BaTiO3 and PbTiO3 nanocrystals. Chemical Physics Letters, 2009, 467, 335-338.	2.6	30
99	Measurements of the third- and fifth-order optical nonlinearities of water at 532 and 1064â€‰â€‰nm using the D4Ïƒ method. Optics Letters, 2014, 39, 5046.	3.3	30
100	Thermal sensitivity of frequency upconversion in Al₄B₂O₉:Yb³⁺/Nd³⁺nanoparticles. Journal of Materials Chemistry C, 2017, 5, 1240-1246.	5.5	30
101	Silk fibroin as a biotemplate for hierarchical porous silica monoliths for random laser applications. Journal of Materials Chemistry C, 2018, 6, 2712-2723.	5.5	30
102	Amplified spontaneous emission in Tm3+â€doped monomode optical fibers in the visible region. Applied Physics Letters, 1990, 57, 2169-2171.	3.3	29
103	Method to determine the phase dispersion of the third-order susceptibility. Optics Letters, 1991, 16, 630.	3.3	29
104	Avalanche upconversion in Er3+ doped fluoroindate glass. Applied Physics Letters, 1997, 70, 3084-3086.	3.3	29
105	Antimony orthophosphate glasses with large nonlinear refractive indices, low two-photon absorption coefficients, and ultrafast response. Journal of Applied Physics, 2005, 97, 013505.	2.5	29
106	Optical spectroscopy and upconversion luminescence in Nd3+ doped Ga10Ge25S65 glass. Journal of Applied Physics, 2009, 106, .	2.5	28
107	Influence of the temperature on the nucleation of silver nanoparticles in Tm3+/Yb3+ codoped PbOâ€“GeO2 glasses. Journal of Non-Crystalline Solids, 2010, 356, 2465-2467.	3.1	28
108	Infrared-to-visible upconversion in Yb3+/Er3+ co-doped PbOâ€“GeO2 glass with silver nanoparticles. Journal of Non-Crystalline Solids, 2010, 356, 2598-2601.	3.1	28

#	Article	IF	Citations
109	An optimization procedure for the design of all-optical switches based on metal-dielectric nanocomposites. Optics Express, 2015, 23, 7659.	3.4	28
110	Nonlinear optical response of platinum nanoparticles and platinum ions embedded in sapphire. Optics Express, 2016, 24, 9955.	3.4	28
111	Europium luminescence enhancement in Al2O3:Eu3+ powders prepared by direct combustion synthesis. Journal of Applied Physics, 2007, 101, 036102.	2.5	27
112	Femtosecond nonlinear optical properties of lead-germanium oxide amorphous films. Applied Physics Letters, 2007, 90, 231906.	3.3	27
113	Laser Ablated Silver Nanoparticles with Nearly the Same Size in Different Carrier Media. Journal of Nanomaterials, 2010, 2010, 1-7.	2.7	27
114	Femtosecond Nonlinear Optical Properties of 2D Metallic NbS₂ in the Near Infrared. Journal of Physical Chemistry C, 2020, 124, 15425-15433.	3.1	27
115	Frequency upconversion in rare-earth doped fluoroindate glasses. Comptes Rendus Chimie, 2002, 5, 885-898.	0.5	26
116	Nonlinear optical properties of tungstate fluorophosphate glasses. Journal of Applied Physics, 2004, 96, 2525-2529.	2.5	26
117	Infrared-to-green and blue upconversion in Tm3+-doped TeO2â€"PbO glass. Journal of Applied Physics, 2008, 103, .	2.5	26
118	Direct three-photon excitation of upconversion random laser emission in a weakly scattering organic colloidal system. Optics Express, 2014, 22, 14305.	3.4	26
119	Phosphotellurite glass and glass-ceramics with high TeO₂ contents: thermal, structural and optical properties. Dalton Transactions, 2019, 48, 6261-6272.	3.3	26
120	Influence of Al2O3 on the photoluminescence and optical gain performance of Nd3+ doped germanate and tellurite glasses. Optical Materials, 2020, 109, 110342.	3.6	26
121	Picosecond third-order nonlinearity of lead-oxide glasses in the infrared. Applied Physics Letters, 2005, 87, 221904.	3.3	25
122	Frequency upconversion in a Pr3+ doped chalcogenide glass containing silver nanoparticles. Journal of Applied Physics, 2008, 103, 103526.	2.5	25
123	Interplay between random laser performance and self-frequency conversions in Nd x Y 1.00â^'x Al 3 (BO) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	25
124	Two-photon absorption in mesoionic compounds pumped at the visible and at the infrared. Chemical Physics Letters, 2000, 332, 13-18.	2.6	24
125	Dynamics of energy transfer and frequency upconversion in Tm3+ doped fluoroindate glass. Journal of Applied Physics, 2004, 96, 2530-2534.	2.5	24
126	Second harmonic scattered light from a transparent glass-ceramic containing sodium niobate nanocrystals. Applied Physics Letters, 2006, 89, 031901.	3.3	24

#	Article	IF	Citations
127	Enhanced Optical Properties of Germanate and Tellurite Glasses Containing Metal or Semiconductor Nanoparticles. Scientific World Journal, The, 2013, 2013, 1-13.	2.1	24
128	Influence of gold nanoparticles on the 153 Âµm optical gain in Er^3+/Yb^3+: PbO-GeO_2 RIB waveguides. Optics Express, 2014, 22, 16424.	3.4	24
129	Characterization of topological charge and orbital angular momentum of shaped optical vortices. Optics Express, 2014, 22, 30315.	3.4	24
130	Tunable ultraviolet and blue light generation from Nd:YAB random laser bolstered by second-order nonlinear processes. Scientific Reports, 2016, 6, 27107.	3.3	24
131	Triad spectroscopy via ultraviolet up-conversion inPr3+:LaF3. Physical Review B, 1985, 32, 7139-7142.	3.2	23
132	Trapping-states contributions to the optical nonlinearity of Cd(S,Se)-doped glasses. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 2230.	2.1	23
133	Twoâ€color Zâ€scan technique with enhanced sensitivity. Applied Physics Letters, 1995, 66, 1581-1583.	3.3	23
134	Frequency upconversion involving triads and quartets of ions in a Pr3+/Nd3+ codoped fluoroindate glass. Journal of Applied Physics, 2002, 92, 3065-3070.	2.5	23
135	Enhanced frequency upconversion in Er3+ doped fluoroindate glass due to energy transfer from Tm3+. Journal of Non-Crystalline Solids, 2002, 311, 318-322.	3.1	23
136	Picosecond Z-scan measurements on a glass-ceramic containing sodium niobate nanocrystals. Optics Communications, 2002, 203, 441-444.	2.1	23
137	Nonresonant third-order nonlinearity of antimony glasses at telecom wavelengths. Journal of Applied Physics, 2006, 100, 116105.	2.5	23
138	Nonlinear refraction properties of nickel oxide thin films at 800 nm. Journal of Applied Physics, 2009, 106, .	2.5	23
139	Shaping optical beams with topological charge. Optics Letters, 2013, 38, 1579.	3.3	23
140	Optimal performance of NdAl3(BO3)4 nanocrystals random lasers. Optical Materials, 2016, 62, 593-596.	3.6	23
141	Characterization of light-induced modification of the nonlinear refractive index using a one-laser-shot nonlinear imaging technique. Applied Physics Letters, 2004, 85, 3740-3742.	3.3	22
142	Silver nanoparticle in situ growth within crosslinked poly(ester-co-styrene) induced by UV irradiation: aggregation control with exposure time. Journal of Physics and Chemistry of Solids, 2007, 68, 729-733.	4.0	22
143	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	22
144	Near-infrared nonlinearity of a multicomponent tellurium oxide glass at 800 and 1,064Ânm. Applied Physics B: Lasers and Optics, 2014, 116, 1-5.	2.2	22

#	Article	IF	Citations
145	Light Scattering, Absorption, and Refraction due to High-Order Optical Nonlinearities in Colloidal Gold Nanorods. Journal of Physical Chemistry C, 2019, , .	3.1	22
146	Quantum-statistical theory of the nonlinear excitation of magnons in parallel pumping experiments. Physical Review B, 1974, 10, 3961-3968.	3.2	21
147	New measurements of the two-photon absorption in GaP, CdS, and ZnSe relative to Raman cross sections. Physical Review B, 1978, 18, 30-38.	3.2	21
148	Raman-assisted polarization beats in time-delayed four-wave mixing. Optics Letters, 1992, 17, 1052.	3.3	21
149	Timeâ€resolved picosecond optical nonlinearity and allâ€optical Kerr gate in poly (3â€hexadecylthiophene). Applied Physics Letters, 1996, 69, 2166-2168.	3.3	21
150	Frequency upconversion in Nd3+-doped fluoroindate glass. Journal of Non-Crystalline Solids, 1997, 213-214, 256-260.	3.1	21
151	Blue light emission in thulium doped silica-on-silicon waveguides. Optics Communications, 1997, 141, 137-140.	2.1	21
152	Enhanced optical limiting performance of a nonlinear absorber in a solution containing scattering nanoparticles. Optics Letters, 2002, 27, 740.	3.3	21
153	Reflection of a Gaussian beam from a saturable absorber. Optics Communications, 1996, 123, 637-641.	2.1	20
154	Measurements of pKa of organic molecules using third-order nonlinear optics. Chemical Physics Letters, 2000, 330, 347-353.	2.6	20
155	Third-order nonlinearity of nickel oxide nanoparticles in toluene. Optics Letters, 2007, 32, 1435.	3.3	20
156	Synthesis of Ordered Macroporous Pt/Ru Nanocomposites for the Electrooxidation of Methanol. Journal of Nanoscience and Nanotechnology, 2008, 8, 979-985.	0.9	20
157	Microchip Random Laser based on a disordered TiO_2-nanomembranes arrangement. Optics Express, 2012, 20, 17380.	3.4	20
158	White light generation in Tm3+/Ho3+/Yb3+ doped PbO-GeO2 glasses excited at 980â€‰nm. Journal of Applied Physics, 2013, 114, 163515.	2.5	20
159	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.	2.1	20
160	Upconversion photoluminescence in GeO 2 -PbO glass codoped with Nd 3+ and Yb 3+. Optical Materials, 2016, 60, 313-317.	3.6	20
161	Infrared nonlinearity of commercial Cd(S, Se) glass composites. Optics Communications, 1992, 87, 19-22.	2.1	19
162	Violet and blue light amplification in Nd3+-doped fluoroindate glasses. Journal of Applied Physics, 1999, 85, 6782-6785.	2.5	19

#	Article	IF	Citations
163	Nonlinear absorption of new mesoionic compounds. Optics Communications, 2006, 264, 225-228.	2.1	19
164	Optical limiting behavior of bismuth oxide-based glass in the visible range. Applied Physics Letters, 2006, 89, 211912.	3.3	19
165	Photoluminescence from germanate glasses containing silicon nanocrystals and erbium ions. Applied Physics B: Lasers and Optics, 2012, 106, 1015-1018.	2.2	19
166	Coupled-plasmon induced optical nonlinearities in anisotropic arrays of gold nanorod clusters supported in a polymeric film. Journal of Applied Physics, 2017, 121, .	2.5	19
167	Replica Symmetry Breaking in the Photonic Ferromagneticlike Spontaneous Mode-Locking Phase of a Multimode Nd:YAG Laser. Physical Review Letters, 2017, 119, 163902.	7.8	19
168	Thermal and non-thermal intensity dependent optical nonlinearities in ethanol at 800â€‰â€‰nm, 1480â€‰â€‰nm, and 1560â€‰â€‰nm. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1104.	2.1	19
169	Nonlinear effects and photonic phase transitions in Nd3+-doped nanocrystal-based random lasers. Applied Optics, 2020, 59, D155.	1.8	19
170	Shift and broadening of electronic transitions in a dilute antiferromagnet:Fe1âˆ’xZnxF2. Physical Review B, 1980, 22, 266-272.	3.2	18
171	All-optical power-controlled switching in wave mixing: application to semiconductor-doped glasses. Optics Letters, 1993, 18, 414.	3.3	18
172	Saturation effects in the nonlinear-optical susceptibility of poly(3-hexadecylthiophene). Journal of the Optical Society of America B: Optical Physics, 1997, 14, 609.	2.1	18
173	Z-scan measurements of the nonlinear refraction in retinal derivatives. Chemical Physics Letters, 1997, 276, 445-449.	2.6	18
174	Negative nonlinear absorption in Er3+-doped fluoroindate glass. Journal of Applied Physics, 1998, 84, 2263-2267.	2.5	18
175	Spectroscopy, energy transfer, and frequency upconversion in Tm3+-doped TeO2-PbO glass. Journal of Applied Physics, 2007, 102, 043505.	2.5	18
176	Nonlinear absorption of transparent glass ceramics containing sodium niobate nanocrystals. Physical Review B, 2007, 76, .	3.2	18
177	Bichromatic random laser from a powder of rhodamine-doped sub-micrometer silica particles. Journal of Applied Physics, 2014, 115, 043515.	2.5	18
178	Random lasing in Nd3+ doped potassium gadolinium tungstate crystal powder. Journal of Applied Physics, 2015, 117, .	2.5	18
179	Nonlinear Refraction and Absorption of Ag₂₉ Nanoclusters: Evidence for Two-Photon Absorption Saturation. Journal of Physical Chemistry C, 2018, 122, 18682-18689.	3.1	18
180	Random laser in Nd:YBO3 nanocrystalline powders presenting luminescence concentration quenching. Journal of Luminescence, 2019, 214, 116543.	3.1	18

#	Article	IF	Citations
181	Spatial phase modulation due to the thermal nonlinearity in semiconductor-doped glasses. Physical Review B, 1994, 50, 9092-9097.	3.2	17
182	Nonlinear-optical properties of a poly(vinyl alcohol)â€“polyaniline interpenetrating polymer network. Optics Letters, 1995, 20, 554.	3.3	17
183	Nonlinear optical response of polyaniline liquid solutions. Optics Communications, 1998, 157, 187-192.	2.1	17
184	Directional laserlike emission from a dye-doped polymer containing rutile nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 564.	2.1	17
185	Ultrafast light-induced dichroism in silver nanoparticles. Physical Review B, 2004, 70, .	3.2	17
186	Giant third-order nonlinearity of lead and germanium based films in the visible and in the infrared. Journal of Applied Physics, 2007, 101, 066103.	2.5	17
187	Nonresonant third-order nonlinear properties of NaPO3â€“WO3â€“Bi2O3 glasses in the near infrared. Journal of Applied Physics, 2009, 106, 063507.	2.5	17
188	Upconversion Emission of BaTiO₃:Er³⁺ Nanocrystals: Influence of Temperature and Surrounding Medium. Journal of Nanoscience and Nanotechnology, 2010, 10, 2143-2148.	0.9	17
189	Upconversion luminescence in Er3+ doped Ga10Ge25S65 glass and glass-ceramic excited in the near-infrared. Journal of Applied Physics, 2013, 113, .	2.5	17
190	Random laser emission from neodymium doped zinc tellurite glass-powder presenting luminescence concentration quenching. Journal of Luminescence, 2021, 233, 117936.	3.1	17
191	Four-wave mixing in strongly driven four-level systems. Physical Review A, 1988, 38, 5688-5697.	2.5	16
192	Novel fabrication process of planar waveguides in rareâ€earth doped fluoroindate glasses. Applied Physics Letters, 1995, 67, 886-887.	3.3	16
193	Changes in porphyrin nonlinear absorption owing to interaction with bovine serum albumin. Applied Optics, 2000, 39, 4431.	2.1	16
194	Third-order nonlinear optical properties of undoped polyaniline solutions and films probed at 532 nm. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1099.	2.1	16
195	Probing the nuclear susceptibility of mesoionic compounds using two-beam coupling with chirp-controlled pulses. Chemical Physics Letters, 2007, 449, 101-106.	2.6	16
196	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.	3.1	16
197	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.	2.1	16
198	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.	2.2	16

#	Article	IF	Citations
199	Optical and structural characterization of iron oxide and cobalt oxide thin films at 800Ânm. Applied Physics B: Lasers and Optics, 2013, 111, 313-321.	2.2	16
200	Structural and luminescence properties of Nd³⁺/Yb³⁺codoped Al₄B₂O₉nanocrystalline powders. Journal of Materials Chemistry C, 2015, 3, 11689-11696.	5.5	16
201	Ultrafast dynamics of mesoionic liquid solutions studied with incoherent light. Chemical Physics Letters, 2001, 347, 163-166.	2.6	15
202	Stokes luminescence and frequency upconversion in Pr3+ doped TeO2â€"PbO glass. Journal of Applied Physics, 2007, 101, 123514.	2.5	15
203	Two-photon absorption in TeO2-PbO glasses excited at 532 and 590Ânm. Applied Physics A: Materials Science and Processing, 2008, 91, 441-443.	2.3	15
204	Three- and four-photon excited upconversion luminescence in terbium doped lutetium silicate powders by femtosecond laser irradiation. Optical Materials Express, 2013, 3, 1803.	3.0	15
205	Saturation and coherence properties of three-magnon nonlinear processes. Physical Review B, 1974, 9, 3074-3076.	3.2	14
206	Violet-blue emissions due to frequency up-conversion in Nd3+-doped fluoroindate glasses. Journal of Luminescence, 1997, 72-74, 68-70.	3.1	14
207	Upconversion in Er3+-doped ZrO2 nanocrystals pumped at 1.426Î¼m. Journal of Applied Physics, 2008, 103, .	2.5	14
208	Light scattering in a dilute antiferromagnet : Fe1â^'xZnxF2. Journal of Applied Physics, 1979, 50, 2033-2035.	2.5	13
209	Giant enhancement of the Raman scattering by local magnon modes in FeF2:Mn2+. Solid State Communications, 1980, 35, 627-630.	1.9	13
210	Intensity effects in resonant four-wave mixing. Physical Review A, 1982, 25, 2430-2433.	2.5	13
211	Two-photon excitation of the4f5dband ofPr3+and interconfigurational energy transfer inLaF3:(Pr3+,Gd3+). Physical Review B, 1986, 34, 126-130.	3.2	13
212	Diode pumped avalanche upconversion in Pr3+-doped fibers. Optics Communications, 1993, 103, 361-364.	2.1	13
213	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. Journal of Porphyrins and Phthalocyanines, 2001, 05, 51-57.	0.8	13
214	Near-infrared nonlinear properties of a glassâ€"ceramic containing sodium niobate nanocrystals. Journal of Applied Physics, 2003, 94, 6223-6225.	2.5	13
215	Laserlike emission from silica inverse opals infiltrated with Rhodamine 6G. Journal of Non-Crystalline Solids, 2005, 351, 1846-1849.	3.1	13
216	Nonlinear luminescence in Eu3+-doped Y2O3 powders pumped at 355 nm. Chemical Physics Letters, 2006, 428, 134-137.	2.6	13

#	Article	IF	Citations
217	Nonlinear optical properties of Bi2O3-GeO2 glass at 800 and 532â€‰nm. Journal of Applied Physics, 2013, 114, 073503.	2.5	13
218	Measurements of the nonlinear refractive index in scattering media using the Scattered Light Imaging Method - SLIM. Optics Express, 2015, 23, 19512.	3.4	13
219	Photoluminescence and nonlinear optical phenomena in plasmonic random mediaâ€"A review of recent works. Journal of Luminescence, 2016, 169, 492-496.	3.1	13
220	Second-order nonlinearity of NaNbO3 nanocrystals with orthorhombic crystalline structure. Journal of Luminescence, 2019, 211, 121-126.	3.1	13
221	Femtosecond nonlinear refraction of 2D semi-metallic redox exfoliated ZrTe2 at 800â€‰nm. Applied Physics Letters, 2021, 118, .	3.3	13
222	Linear and third-order nonlinear optical properties of self-assembled plasmonic gold metasurfaces. Nanophotonics, 2020, 9, 725-740.	6.0	13
223	Infrared to visible image frequency conversion in Cd(S,Se) glass composites. Applied Physics Letters, 1989, 54, 1956-1958.	3.3	12
224	Up-conversion fluorescence spectroscopy in Pr3+ doped optical fibers. Optics Communications, 1991, 84, 279-282.	2.1	12
225	Lightâ€controlled beam deflector in semiconductor doped glasses. Applied Physics Letters, 1993, 63, 3553-3555.	3.3	12
226	Reverse saturable absorption and anti-Stokes fluorescence in mesoionic compounds pumped at 532 nm. Applied Optics, 2001, 40, 1389.	2.1	12
227	Nonlinear refractive index measurements in antimonyâ€"sulfide glass films using a single beam nonlinear image technique. Optics Communications, 2006, 260, 723-726.	2.1	12
228	Structural properties and near infrared photoluminescence of Nd3+ doped YBO3 nanocrystals. Optical Materials, 2019, 95, 109227.	3.6	12
229	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.	2.1	12
230	Measurement of optical gain at 670 nm in an oxazineâ€doped polyimide planar waveguide. Applied Physics Letters, 1996, 69, 3653-3655.	3.3	11
231	Molecular hyperpolarizabilities of retinal derivatives. Journal of Chemical Physics, 1999, 111, 5102-5106.	3.0	11
232	Near-infrared Kerr nonlinearity of Pb(PO3)2â€"WO3 glasses. Journal of Applied Physics, 2010, 108, .	2.5	11
233	Nonlinear polarization instability in cubic-quintic plasmonic nanocomposites. Optics Express, 2017, 25, 21049.	3.4	11
234	First Hyperpolarizability of 1,3-Thiazolium-5-Thiolates Mesoionic Compounds. Journal of Physical Chemistry C, 2019, 123, 677-683.	3.1	11

#	Article	IF	Citations
235	Observation and analysis of creation, decay, and regeneration of annular soliton clusters in a lossy cubic-quintic optical medium. Physical Review A, 2020, 102, .	2.5	11
236	Monolayer 2D ZrTe2 transition metal dichalcogenide as nanoscatter for random laser action. Nanoscale, 2020, 12, 15706-15710.	5.6	11
237	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.	3.1	11
238	Energy transfer between Pr3+ ions in a fluoroindate glass. Journal of Non-Crystalline Solids, 1998, 226, 265-272.	3.1	10
239	Giant non-linear absorption in Er3+-doped fluoroindate glass. Journal of Non-Crystalline Solids, 1999, 247, 209-214.	3.1	10
240	Interference effects in time-delayed degenerate four-wave mixing with broadband noisy light. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 973.	2.1	10
241	Laser-induced conical diffraction due to cross-phase modulation in a transparent medium. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1269.	2.1	10
242	Red up-conversion emission from nanocrystalline GaN powders co-doped with Er3+ and Yb3+. Optical Materials, 2009, 31, 800-804.	3.6	10
243	Enhanced Er3+ photoluminescence in TeO2â€“ZnO glass containing silicon nanocrystals. Applied Physics B: Lasers and Optics, 2015, 121, 117-121.	2.2	10
244	D4Ïƒ curves described analytically through propagation analysis of transverse irradiance moments. Optics Letters, 2016, 41, 2081.	3.3	10
245	Single bead near-infrared random laser based on silica-gel infiltrated with Rhodamine 640. Journal of Applied Physics, 2018, 123, 133104.	2.5	10
246	Optical properties of glasses and glass-ceramics for optical amplifiers, photovoltaic devices, color displays, optical limiters, and Random Lasers. Optical Materials, 2022, 131, 112648.	3.6	10
247	Visible up-converted superfluorescence in Tm3+ doped fibers. Journal of Luminescence, 1991, 48-49, 876-880.	3.1	9
248	Exploitation of the Z-scan technique as a method to optically probe pK_a in organic materials:â€ƒapplication to porphyrin derivatives. Optics Letters, 2000, 25, 323.	3.3	9
249	Stimulated effects in one-photon resonant interferometric four-wave mixing with incoherent light. Optics Letters, 2001, 26, 262.	3.3	9
250	Spectrally resolved femtosecond Maker fringes technique. Applied Physics Letters, 2008, 92, 091109.	3.3	9
251	Silver nanoparticles formation within unsaturated polyester/styrene resins induced by UV irradiation and thermal treatment. Polymer Engineering and Science, 2010, 50, 2350-2355.	3.1	9
252	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	9

#	Article	IF	Citations
253	Luminescence properties and optical dephasing in a glass-ceramic containing sodium-niobate nanocrystals. Journal of Applied Physics, 2011, 109, .	2.5	9
254	Picosecond nonlinearity of GeO2â€“Bi2O3â€“PbOâ€“TiO2 glasses at 532 and 1,064Ânm. Applied Physics B: Lasers and Optics, 2014, 117, 891-895.	2.2	9
255	Light Disorder as a Degree of Randomness to Improve the Performance of Random Lasers. Physical Review Applied, 2021, 15, .	3.8	9
256	Upconversion luminescence in europium doped Y₂O₃ powder excited by absorption of three, four, and five infrared photons. Optical Materials Express, 2019, 9, 3952.	3.0	9
257	Raman scattering by magnetic excitations in disordered FeF2. Journal of Raman Spectroscopy, 1981, 10, 173-177.	2.5	8
258	Observation of femtosecond beats using Raman radiation from SiO2 optical fibres. Electronics Letters, 1990, 26, 92.	1.0	8
259	Collision-assisted second-harmonic generation from Rydberg atoms. Physical Review A, 1991, 44, 733-736.	2.5	8
260	Allâ€optical switching in rareâ€earth doped channel waveguide. Applied Physics Letters, 1995, 66, 413-415.	3.3	8
261	Control of nonlinear absorption and amplification of light in Er^3+-doped fluoroindate glass. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1995.	2.1	8
262	Nonlinear optical properties of antimonyâ€“germaniumâ€“sulfur glasses at 1560 nm. Applied Physics B: Lasers and Optics, 2009, 94, 499-502.	2.2	8
263	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
264	Third-order optical measurements of porphyrin compounds using Dark-field and D4Ïƒ-Z scan imaging techniques. Journal of Luminescence, 2018, 199, 319-322.	3.1	8
265	Enhanced blue photoluminescence of B2O3-CaF2 glass-ceramics containing silver nanoparticles. Journal of Alloys and Compounds, 2018, 749, 40-43.	5.5	8
266	Fifth-order optical nonlinear response of semiconducting 2D LTMD MoS₂. Optics Letters, 2021, 46, 226.	3.3	8
267	Dispersion of coherence spikes of incoherent broadband dye lasers. Optics Communications, 1989, 73, 475-478.	2.1	7
268	All-optical gate with picosecond response in semiconductor-doped glasses. Electronics Letters, 1989, 25, 720-722.	1.0	7
269	Optically Detected Thermal Effects in Rare-Earth Doped Materials for Host Characterization, Thermometric Devices, Nanothermometry and Biothermometry. Journal of the Brazilian Chemical Society, 2015, , .	0.6	7
270	Nonlinear optical behavior of two tetrathiafulvalene derivatives in the picosecond regime. Chemical Physics Letters, 2018, 702, 16-20.	2.6	7

#	Article	IF	Citations
271	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.	3.4	7
272	Toward single-shot characterization of nonlinear optical refraction, absorption, and scattering of turbid media. Physical Review A, 2020, 102, .	2.5	7
273	Observation and Analysis of Incoherent Second-Harmonic Generation in Gold Nanoclusters with Six Atoms. Journal of Physical Chemistry C, 2020, 124, 15440-15447.	3.1	7
274	Two-photon absorption in hexagonal-CdS. Solid State Communications, 1983, 48, 967-970.	1.9	6
275	Raman scattering by magnons and phonons in (MnFe)F2 and (FeZn)F2. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 557-559.	2.3	6
276	Infrared-to-blue frequency upconversion in aPr3+-doped silicate fiber. Physical Review B, 1996, 54, 9126-9130.	3.2	6
277	Potassium source for ion-exchange glass waveguide fabrication. Applied Optics, 1997, 36, 5949.	2.1	6
278	Energy transfer and frequency upconversion involving triads of Pr3+ ions in (Pr3+, Gd3+) doped fluoroindate glass. Journal of Applied Physics, 2006, 99, 083505.	2.5	6
279	Optical properties and energy transfer processes in (Tm3+, Nd3+) doped tungstate fluorophosphate glass. Journal of Applied Physics, 2006, 99, 113525.	2.5	6
280	Taming the emerging beams after the split of optical vortex solitons in a saturable medium. Physical Review A, 2016, 93, .	2.5	6
281	Hyperâ€“Rayleigh scattering in 2D redox exfoliated semi-metallic ZrTe₂ transition metal dichalcogenide. Physical Chemistry Chemical Physics, 2020, 22, 27845-27849.	2.8	6
282	Influence of fifth-order nonlinearities on the statistical fluctuations in emission intensities in a photonic open-cavity complex system. Physical Review A, 2020, 102, .	2.5	6
283	Ultraviolet two-photon absorption in alkali halides. Physical Review B, 1982, 26, 1044-1047.	3.2	5
284	Energy transfer between Pr3+ ions in a borate glass: (B2O3)0.7(CaF2)0.3. Journal of Luminescence, 1988, 42, 221-225.	3.1	5
285	Limit of accuracy for fluorescence lifetime temperature sensing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 116-118.	3.9	5
286	Ultraviolet dynamical optical limiting in a glass containing NaNbO_3 nanocrystals. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1284.	2.1	5
287	Nonlinear optical characterization of tetraphenylporphyrin in the picosecond regime. , 2015, , .		5
288	Investigations on the nonlinear optical response and losses of toluene at 532 and 1064Ânm in the picosecond regime. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	5

#	Article	IF	Citations
289	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.	2.2	5
290	Influence of the Fifth-Order Nonlinearity of Gold Nanorods on the Performance of Random Lasers. Journal of Physical Chemistry C, 2020, 124, 10705-10709.	3.1	5
291	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.	2.1	5
292	Critical exponents for the subsidiary resonance in ferromagnets. Physical Review B, 1975, 11, 561-562.	3.2	4
293	Phase measurements of the fifth-order susceptibility of Cd(S, Se)-doped glasses. Optics Communications, 1993, 102, 89-92.	2.1	4
294	Light-induced inhomogeneous broadening in dye solution probed by wave-mixing with broadband lasers. Optics Communications, 1999, 171, 125-130.	2.1	4
295	<title>Nonlinear optical properties of organic materials</title>. , 1999, , .		4
296	Nonlinear Optical Spectroscopy of Porphyrins and Mesoionic Compounds. Molecular Crystals and Liquid Crystals, 2002, 378, 113-122.	0.9	4
297	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.	2.1	4
298	Engineering of CdTe Multicore in ZnO Nanoshell as a New Charge-Transfer Material. Journal of Physical Chemistry C, 2014, 118, 18372-18376.	3.1	4
299	Linear and Nonlinear Optical Properties of Some Tellurium Oxide Glasses. Springer Series in Materials Science, 2017, , 15-39.	0.6	4
300	Picosecond cubic and quintic nonlinearity of lithium niobate at 532â€‰nm. Journal of Applied Physics, 2017, 122, 083103.	2.5	4
301	Optical properties of B2O3â€“CaF2 glass-ceramics doped with silver nanoparticles and praseodymium ions. Journal of Luminescence, 2021, 238, 118225.	3.1	4
302	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.	2.1	4
303	Reply to 'Comment on multiphoton absorption in solids: a universal curve'. Journal of Physics C: Solid State Physics, 1984, 17, L331-L332.	1.5	3
304	Raman scattering by phonons inFe1âˆ’xZnxF2andFe1âˆ’xMnxF2. Physical Review B, 1984, 30, 3516-3519.	3.2	3
305	Coherent Excitation of Phonon Polaritons in a Centrosymmetric Crystal. Physical Review Letters, 1986, 56, 1475-1477.	7.8	3
306	Comment on â€˜â€˜Visibleâ€wavelength amplified spontaneous emission in a neodymiumâ€doped optical fiber pumped at 1064 nmâ€™â€™ [Appl. Phys. Lett.54, 875 (1989)]. Applied Physics Letters, 1989, 55, 2250-2251.	3.3	3

#	Article	IF	Citations
307	Cascade contributions in the high-order optical nonlinearity measurement. Optics Communications, 1993, 100, 193-196.	2.1	3
308	Multikilohertz all-optical modulator in semiconductor doped glass channel waveguide. Electronics Letters, 1993, 29, 1246.	1.0	3
309	Time shortening of laser pulses as an application of dynamical light-bending effects. Optics Communications, 1994, 110, 615-619.	2.1	3
310	Raman-assisted spatial cross phase modulation in carbon disulfide. Physical Review A, 1995, 51, 4910-4912.	2.5	3
311	One-Photon Resonant Interferometric Four-Wave Mixing with Broadband Noisy Light. Optics and Photonics News, 2001, 12, 40.	0.5	3
312	Third-order nonlinearities and other properties of molybdenum lead-pyrophosphate glass. Optical Materials, 2015, 42, 298-302.	3.6	3
313	Enhancement of Optical Absorption, Photoluminescence and Raman Transitions in Bi2O3-GeO2Glasses with Embedded Silver Nanoparticles. Journal of the Brazilian Chemical Society, 2015, , .	0.6	3
314	Nonlinear optical characterization of single Î²-barium-borate nanocrystals using second-harmonic confocal microscopy. Chinese Optics Letters, 2018, 16, 041902.	2.9	3
315	Observation and analysis of nonlinear scattering using the scattered-light imaging method. Physical Review A, 2022, 105, .	2.5	3
316	Influence of magnetic dipolar interaction on one- and two-magnon scattering of light in ferromagnets. Solid State Communications, 1973, 12, 839-841.	1.9	2
317	Quantum theory of the parametric excitation of magnons by phonon pumping. Physica Status Solidi (B): Basic Research, 1975, 68, K117.	1.5	2
318	Nonlinear mixing spectroscopy ofFexZn1â^'xF2andFe1â^'xMnxF2. Physical Review B, 1983, 28, 6532-6535.	3.2	2
319	Inexpensive low temporal jitter laser triggering circuit. Review of Scientific Instruments, 1983, 54, 501-502.	1.3	2
320	Light scattering by magnetic excitons in (FeMn)F2. Solid State Communications, 1984, 50, 633-636.	1.9	2
321	Light scattering by magnetic excitations in the mixed antiferromagnetFe1â^'xMnxF2. Physical Review B, 1985, 32, 428-435.	3.2	2
322	Excitation of theE u polariton in a centrosymmetric crystal by four-wave mixing. Optical and Quantum Electronics, 1989, 21, 235-240.	3.3	2
323	Saturated line shapes in coherent subharmonic Raman scattering. Physical Review A, 1991, 43, 3724-3728.	2.5	2
324	Measurement of optical thickness by polarization beats interferometry. Optics Communications, 1992, 90, 7-10.	2.1	2

#	Article	IF	Citations
325	Determination of Acid-Base Equilibrium Constant of Organic Molecules and Biomolecules with 3rd-Order Nonlinear Optics. Optics and Photonics News, 2000, 11, 25.	0.5	2
326	Intensity-dependent excitonic dephasing in polyaniline. Chemical Physics Letters, 2003, 377, 647-653.	2.6	2
327	Creating and fixing a metal nanoparticle layer on the holes of microstructured fibers for plasmonic applications. , 2008, , .		2
328	Femtosecond laserâ€written waveguides in thuliumâ€doped fluoroindate glass for Sâ€band amplification. Electronics Letters, 2014, 50, 540-542.	1.0	2
329	Metal-Dielectric Nanocomposites Based on Germanate and Tellurite Glasses. , 2019, , 3-18.		2
330	High-Order Nonlinearities of Metal-Dielectric Nanocomposites. , 2019, , 61-86.		2
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.	3.1	2
332	Controlling light with light in silver-nanospheres and gold-nanorods colloids. Mundo Nano Revista Interdisciplinaria En Nanociencia Y NanotecnologÃa, 2019, 13, 1e-16e.	0.1	2
333	On the Coherence Properties of Parametric Magnon States. Physica Status Solidi (B): Basic Research, 1976, 75, 327-332.	1.5	1
334	Coherent generation of magnons by optical techniques. Journal of Applied Physics, 1978, 49, 2186-2188.	2.5	1
335	Electronic Raman scattering in (Fe,Zn)F2. Journal of Magnetism and Magnetic Materials, 1980, 15-18, 805-806.	2.3	1
336	Second harmonic generation from pairs of two-level atoms. Optics Communications, 1992, 92, 243-246.	2.1	1
337	Measurements of the trapped-carriers nonlinearity of commercial semiconductor doped glasses. Optics Communications, 1994, 110, 627-630.	2.1	1
338	Nonlinear fission of an optical beam through spatial cross modulation in semiconductor-doped glasses. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 1512.	2.1	1
339	Effect of the induced asymmetry of the refractive index in a LiNbO3 electro-optical modulator channel waveguide. Optics Communications, 1997, 139, 209-211.	2.1	1
340	Interference effects in different fifth-order polarizations with broadband noisy light. Chinese Physics B, 2001, 10, 206-213.	1.3	1
341	Spectroscopic properties of Tm3+doped fluorindate glass. , 2003, , .		1
342	<title>Growth of metallic Ag nanoparticles in fluoroborate glasses doped with rare-earth ions and their optical characterization</title>. , 2004, , .		1

#	Article	IF	Citations
343	Conical diffraction instability due to cross-phase modulation in Kerr media. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 302.	2.1	1
344	Time-resolved spectroscopy of metal nanoellipsoid. , 2006, , .		1
345	Optical Coherence Tomography Imaging of Stenotic Aortic Valve Samples. , 2010, , .		1
346	Nonlinear Absorption and Optical Limiting Effect in Redox Exfoliated Layered Transition Metal Dichalcogenides. , 2018, , .		1
347	Observation of spatial-modulation instability due to quintic nonlinearity. , 2014, , .		1
348	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.	2.1	1
349	Up-converted ultraviolet emission in Pr3+: LaF3. Journal of Luminescence, 1984, 31-32, 811-813.	3.1	0
350	Frequency up-conversion in Pr3+doped fibers. , 1991, , .		0
351	Nonlinear Polarization Beats Spectroscopy. Optics and Photonics News, 1992, 3, 9_1.	0.5	0
352	Theory of second-harmonic generation from atom pairs in solids. Physical Review B, 1994, 50, 6620-6625.	3.2	0
353	<title>Nonlinear absorption and amplification of light in Er3+-doped fluoroindate glass</title>. , 1999, , .		0
354	<title>Measurements of optical gain in Nd<formula>^{<roman>3+</roman>}</formula>-doped fluoroindate glasses</title>. , 1999, 3749, 723.		0
355	Optical limiting behavior of tungstate fluorophosphate glasses. , 2003, 4829, 107.		0
356	Observation of spatial cross-phase-modulation in DMSO. , 2003, 4829, 403.		0
357	Interference effects in multi-wave mixing and their control by phase-modulation of the laser beams. , 2003, , .		0
358	<title>Dynamics of energy transfer and frequency upconversion in Tm<formula>^{<roman>3+</roman>}</formula>-doped fluoroindate glass</title>. , 2004, , .		0
359	<title>Two-beam conical diffraction in a Kerr medium</title>. , 2004, , .		0
360	PbTe quantum dots: SiO 2 multilayers for optical devices. , 2005, , .		0

#	Article	IF	Citations
361	Kerr nonlinearity and two-photon absorption in two-beam coupling of femtosecond pulses. Physical Review B, 2007, 75, .	3.2	0
362	Novel high sensitivity thermal managed eclipse Z-scan technique. , 2007, , .		0
363	Random laser action inside a photonic crystal fiber. , 2007, , .		0
364	Nonlinear optical properties of antimony based glasses at telecom wavelengths. , 2008, , .		0
365	Ultraviolet random lasing in Nd³⁺ doped fluoroindate glass powder. , 2009, , .		0
366	Frequency upconversion in Er^{3+} and Yb^{3+}-doped zirconia and hafnia nanocrystals excited at 980 nm in the continuous-wave regime. , 2009, , .		0
367	Gold nanoshells for nonlinear plasmonic at telecom wavelengths. , 2011, , .		0
368	Dephasing relaxation of localized surface plasmons investigated by persistent hole burning: Role of the stabilizing molecules in nanocolloids. , 2011, , .		0
369	Fast transient bleaching in Rh-6G functionalized $T1O_2$ nanoparticles: Charge transfer dynamics. , 2013, , .		0
370	Measurement of orbital angular momentum and topological charge in optical vortices with shaped vortex cores. , 2014, , .		0
371	Three-Photon Pumped Anti-Stokes Emission in Random Lasers. , 2014, , .		0
372	Random Laser Action in Dye Doped-films Deposited on Ga_2O_3 Arranged in a Sea Urchin-like Nanostructures. , 2014, , .		0
373	Non-cylindrical optical vortices. , 2014, , .		0
374	Analytical approach to nonlinear refraction index measurements with the D4Ïƒ technique. , 2016, , .		0
375	Feature issue introduction: colloidal systems. Optical Materials Express, 2017, 7, 654.	3.0	0
376	Nonlinear Photonics with Metal-Dielectric Nanocomposites. , 2019, , .		0
377	Nanoparticles-based photonic metalâ€“dielectric composites: A survey of recent results. Optical Materials: X, 2021, 12, 100098.	0.8	0
378	Investigating Nonradiative Relaxation in Optically Pumped Er^{3+}-doped $BaTiO_3$ Nanocrystals. , 2006, , .		0

#	Article	IF	Citations
379	Third-order susceptibility of colloid containing tetrafenil-ciclopentadinona and silver nanoparticles.. , 2006, , .		0
380	Nonlinear optical properties of a colloid containing silver sub-nanoparticles. , 2006, , .		0
381	Nonlinear Absorption in Glass-Ceramics Containing Sodium Niobate Nanocrystals. , 2007, , .		0
382	Ultrafast Dephasing Time Measurements in a Niobic-Silicate Nanocomposite Using Incoherent Light. , 2009, , .		0
383	Third-Order Nonlinearity of Nickel Nanocolloids. , 2009, , .		0
384	Infrared Nonlinearity of Gold Nanoshells. , 2010, , .		0
385	Discrimination of Calcification in Aortic Valve Tissue by Reflectance Spectroscopy. , 2010, , .		0
386	Ultrafast Dephasing of Surface Plasmons in Silver Nanoparticles: The Role of Capping Agents. , 2011, , .		0
387	Photolithography and direct three-dimensional writing (and erasing) based on silver nanoparticles formation (and oxidation) within a polymer. , 2011, , .		0
388	Three-dimensional spatial solitons in CS2. , 2012, , .		0
389	Effective high-order susceptibilities in composites containing ellipsoidal nanoparticles and nanoshells. , 2012, , .		0
390	Luminescence of Er3+ doped TeO2-ZnO glass containing silicon nanocrystals. , 2012, , .		0
391	Shaping optical vortex beams with topological charge. , 2013, , .		0
392	D4Ïƒ nonlinear measurement inside a 4f-Z-scan system. , 2013, , .		0
393	Spatial phase modulation due to quintic nonlinearity in photonic composites. , 2014, , .		0
394	Management of High-Order Optical Nonlinearities in Condensed Matter. , 2014, , .		0
395	Probability distributions for orbital angular momentum and local circulation in vortex beams. , 2015, , .		0
396	A Coulomb-like potential for optical vortices. , 2015, , .		0

#	Article	IF	Citations
397	Nonlinear Spectroscopy of Metal-dielectric Nanocomposites. , 2016, , .		0
398	Investigation of Stability and Instability Regions of Optical Vortex Solitons in a Saturable Focusing Medium. , 2016, , .		0
399	Optical and Structural Properties of Crystalline Borate Materials and Random Laser Effect. , 2016, , .		0
400	Analytical description of nonlinear refraction index measurements with the D4Ïƒ technique. , 2016, , .		0
401	Replica Symmetry Breaking in Random Lasers Based on Colloidal Rh-6G and Specially Designed TiO2 Nanoparticles. , 2016, , .		0
402	High-order hyper-Rayleigh scattering in BBO nanocrystals. , 2016, , .		0
403	Multiphoton absorption and anti-Stokes luminescence in terbium doped yttrium oxyorthosilicate powders. , 2016, , .		0
404	Plasmonically enhanced optical nonlinearities in anisotropic arrays of gold nanorods supported in polymeric film. , 2016, , .		0
405	NdxY1.00-xAl3(BO3)4 Nanocrystalline Powders: Multifunctional Materials for Random Laser Tunability and Sensor Applications. , 2017, , .		0
406	Ferromagnetic-like Mode-locking Transition with Replica Symmetry Breaking in Nd:YAG Laser. , 2017, , .		0
407	Fluctuations Statistics in an Erbium Random Fiber Laser. , 2018, , .		0
408	Four-wave mixing in antiferromagnetic FeF2. , 1983, , .		0
409	Theory for Single-Shot Measurements of Nonlinear Refraction, Absorption and Scattering Coefficients in Turbid Media. , 2020, , .		0
410	Correlation effects of chaotic and phase-diffusion fields on polarization beats in a V-type three-level system. Journal of Modern Optics, 2001, 48, 549-564.	1.3	0