Luciana R P Kassab

List of Publications by Year
in descending order

185 papers	4,072 citations	101543 36 h-index	175258 52 g-index
187 all docs	187 docs citations	187 times ranked	1944 citing authors

#	Article	IF	Citations
1	Frequency upconversion in Er3+ doped PbOâ€“GeO2 glasses containing metallic nanoparticles. Applied Physics Letters, 2007, 90, 081913.	3.3	136
2	Enhancement of Pr3+ luminescence in PbOâ€“GeO2 glasses containing silver nanoparticles. Applied Physics Letters, 2005, 87, 241914.	3.3	135
3	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
4	Influence of silver nanoparticles in the luminescence efficiency of Pr3+-doped tellurite glasses. Journal of Applied Physics, 2007, 102, .	2.5	108
5	Eu3+ luminescence in tellurite glasses with gold nanostructures. Optics Communications, 2008, 281, 108-112.	2.1	103
6	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
7	Efficiency enhancement in solar cells using photon down-conversion in Tb/Yb-doped tellurite glass. Solar Energy Materials and Solar Cells, 2016, 157, 468-475.	6.2	83
8	Photoluminescence enhancement by gold nanoparticles in Eu3+ doped GeO2â€“Bi2O3 glasses. Applied Physics Letters, 2009, 94, .	3.3	81
9	Femtosecond nonlinear optical properties of tellurite glasses. Applied Physics Letters, 2006, 89, 171917.	3.3	74
10	Er3+ laser transition in PbOâ€“PbF2â€“B2O3 glasses. Journal of Non-Crystalline Solids, 2004, 348, 94-97.	3.1	72
11	Synthesis and nuclear radiation shielding characterization of newly developed germanium oxide and bismuth oxide glasses. Ceramics International, 2019, 45, 24664-24674.	4.8	69
12	Surface-plasmon-enhanced frequency upconversion in Pr3+ doped tellurium-oxide glasses containing silver nanoparticles. Journal of Applied Physics, 2008, 103, .	2.5	63
13	Luminescence enhancement of Pb2+ ions in TeO2â€“PbOâ€“GeO2 glasses containing silver nanostructures. Journal of Applied Physics, 2006, 99, 123522.	2.5	62
14	Frequency upconversion in Nd3+ doped PbOâ€“GeO2 glasses containing silver nanoparticles. Journal of Alloys and Compounds, 2014, 586, S516-S519.	5.5	61
15	Newly developed tellurium oxide glasses for nuclear shielding applications: An extended investigation. Journal of Non-Crystalline Solids, 2020, 528, 119763.	3.1	56
16	Silver nanoparticles enhanced photoluminescence of Nd 3+ doped germanate glasses at 1064Ânm. Optical Materials, 2016, 60, 25-29.	3.6	51
17	Optical properties of Nd doped Bi2O3-PbO-Ga2O3 glasses. Optics Express, 2000, 6, 104.	3.4	50
18	Effects of gold nanoparticles in the green and red emissions of TeO2â€“PbOâ€“GeO2 glasses doped with Er3+â€“Yb3+. Optical Materials, 2011, 33, 1948-1951.	3.6	50

#	Article	IF	Citations
19	Enhanced luminescence of Tb3+/Eu3+ doped tellurium oxide glass containing silver nanostructures. Journal of Applied Physics, 2009, 105, 103505.	2.5	48
20	Laser emission of a Nd-doped mixed tellurite and zinc oxide glass. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1590.	2.1	48
21	The effects of Nd2O3 concentration in the laser emission of TeO2-ZnO glasses. Optical Materials, 2016, 58, 84-88.	3.6	47
22	Frequency upconversion properties of Tm3+ doped TeO2â€“ZnO glasses containing silver nanoparticles. Journal of Alloys and Compounds, 2012, 536, S504-S506.	5.5	46
23	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
24	Ultrafast third-order optical nonlinearities of heavy metal oxide glasses containing gold nanoparticles. Optical Materials, 2014, 36, 829-832.	3.6	45
25	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
26	Luminescence of Tb3+ doped TeO2â€“ZnOâ€“Na2Oâ€“PbO glasses containing silver nanoparticles. Journal of Applied Physics, 2008, 104, .	2.5	43
27	Femtosecond third-order nonlinear spectra of lead-germanium oxide glasses containing silver nanoparticles. Optics Express, 2012, 20, 6844.	3.4	43
28	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
29	Structural and physical characterization study on synthesized tellurite (TeO2) and germanate (GeO2) glass shields using XRD, Raman spectroscopy, FLUKA and PHITS. Optical Materials, 2020, 110, 110533.	3.6	40
30	Lead fluoroborate glasses doped with Nd3+. Journal of Luminescence, 2003, 102-103, 101-105.	3.1	39
31	Optical properties and infrared-to-visible upconversion in Er3+-doped GeO2â€“Bi2O3 and GeO2â€“PbOâ€“Bi2O3 glasses. Journal of Non-Crystalline Solids, 2005, 351, 3468-3475.	3.1	38
32	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
33	Second and third-order nonlinear optical properties of Er3+/Yb3+ doped PbO-GeO2-Ga2O3 glasses with Au nanoparticles. Materials Research Bulletin, 2017, 95, 339-348.	5.2	38
34	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
35	Effect of the ytterbium concentration on the upconversion luminescence of Yb3+/Er3+ co-doped PbOâ€“GeO2â€“Ga2O3 glasses. Journal of Non-Crystalline Solids, 2008, 354, 4755-4759.	3.1	37
36	Infrared-to-visible upconversion emission in Er3+ doped TeO2-WO3-Bi2O3 glasses with silver nanoparticles. Journal of Applied Physics, 2012, 112, .	2.5	36

#	ARTICLE	IF	CITATIONS
37	A review on pedestal waveguides for low loss optical guiding, optical amplifiers and nonlinear optics applications. Journal of Luminescence, 2018, 203, 135-144.	3.1	36
38	Nonlinear optical properties of PbOâ€"GeO2 films containing gold nanoparticles. Journal of Luminescence, 2013, 133, 180-183.	3.1	35
39	Spectroscopic properties of heavy metal oxide glasses doped with erbium. Journal of Luminescence, 2003, 102-103, 91-95.	3.1	33
40	Laser spectroscopy of Nd3+-doped PbOâ€"Bi2O3â€"Ga2O3â€"BaO glasses. Journal of Non-Crystalline Solids, 2006, 352, 3224-3229.	3.1	33
41	Efficiency boost in Si-based solar cells using tellurite glass cover layer doped with Eu3+ and silver nanoparticles. Optical Materials, 2019, 88, 155-160.	3.6	33
42	Increased Er3+ upconversion in tellurite fibers and glasses by co-doping with Yb3+. Optical Materials, 2010, 33, 107-111.	3.6	32
43	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
44	Study of the most suitable new glass laser to incorporate ytterbium: alkali niobium tellurite, lead fluorborate or heavy metal oxide. Journal of Luminescence, 2003, 102-103, 106-111.	3.1	31
45	Near-infrared third-order nonlinearity of PbOâ€"GeO2 films containing Cu and Cu2O nanoparticles. Applied Physics Letters, 2008, 92, .	3.3	31
46	The effect of excitation intensity variation and silver nanoparticle codoping on nonlinear optical properties of mixed tellurite and zinc oxide glass doped with Nd2O3 studied through ultrafast z-scan spectroscopy. Optical Materials, 2018, 79, 397-402.	3.6	31
47	Production and characterization of femtosecond laser-written double line waveguides in heavy metal oxide glasses. Optical Materials, 2018, 75, 267-273.	3.6	30
48	GeO2â€"PbOâ€"Bi2O3 glasses doped with Yb3+ for laser applications. Journal of Non-Crystalline Solids, 2004, 348, 103-107.	3.1	28
49	Spectroscopic properties of Yb3+ doped PbOâ€"Bi2O3â€"Ga2O3 glasses for IR laser applications. Optical Materials, 2005, 27, 1576-1582.	3.6	28
50	Energy transfer in PbO-Bi2O3-Ga2O3 glasses codoped with Yb3+ and Er3+. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 1255.	2.1	28
51	Thermo-optical properties of tellurite glasses doped with Eu³⁺and Au nanoparticles. Journal Physics D: Applied Physics, 2009, 42, 155404.	2.8	28
52	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
53	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
54	Newly developed BGO glasses: Synthesis, optical and nuclear radiation shielding properties. Ceramics International, 2020, 46, 11861-11873.	4.8	28

#	Article	IF	Citations
55	Femtosecond nonlinear optical properties of lead-germanium oxide amorphous films. Applied Physics Letters, 2007, 90, 231906.	3.3	27
56	Evaluation of laser level populations of erbium-doped glasses. Journal of Luminescence, 2007, 124, 200-206.	3.1	27
57	Optical dating results of beachrock, eolic dunes and sediments applied to sea-level changes study. Journal of Luminescence, 2003, 102-103, 562-565.	3.1	26
58	Enhanced infrared-to-visible frequency upconversion in Yb3+/Er3+ codoped Bi2O3â€“GeO2 glasses with embedded silver nanoparticles. Journal of Non-Crystalline Solids, 2018, 498, 395-400.	3.1	26
59	Efficiency enhancement of silicon solar cells covered by GeO2-PbO glasses doped with Eu3+ and TiO2 nanoparticles. Journal of Luminescence, 2020, 223, 117244.	3.1	26
60	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
61	Picosecond third-order nonlinearity of lead-oxide glasses in the infrared. Applied Physics Letters, 2005, 87, 221904.	3.3	25
62	Optical properties of Er3+ doped GeO2â€“PbO glass: Effect of doping with Bi2O3. Optics Communications, 2007, 269, 356-361.	2.1	25
63	Fabrication and characterization of Er3+-doped GeO2â€“PbO and GeO2â€“PbOâ€“Bi2O3 glass fibers. Journal of Non-Crystalline Solids, 2006, 352, 3530-3534.	3.1	24
64	Enhancement of second-order optical susceptibilities of Er doped germanate glasses. Optics Communications, 2007, 269, 148-151.	2.1	24
65	Enhanced Optical Properties of Germanate and Tellurite Glasses Containing Metal or Semiconductor Nanoparticles. Scientific World Journal, The, 2013, 2013, 1-13.	2.1	24
66	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
67	Piezooptical effects in the tellurite glasses doped by europium and gold. Optics Communications, 2008, 281, 3721-3725.	2.1	23
68	Effect of Ag nanoparticles on the radiative properties of tellurite glasses doped with Er3+, Yb3+ and Tm3+ ions. Optical Materials, 2014, 37, 281-286.	3.6	23
69	Plasmon-Assisted Efficiency Enhancement of Eu3+-Doped Tellurite Glass-Covered Solar Cells. Journal of Electronic Materials, 2017, 46, 6750-6755.	2.2	23
70	Spectroscopic properties of lead fluoroborate glasses codoped with Er^3+ and Yb^3+. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 2921.	2.1	22
71	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
72	Conduction and reversible memory phenomena in Au-nanoparticles-incorporated TeO 2 â€“ZnO films. Thin Solid Films, 2016, 611, 21-26.	1.8	22

#	Article	IF	Citations
73	Influence of gold nanoparticles on the 805Ânm gain in Tm3+/Yb3+ codoped PbO-GeO2 pedestal waveguides. Optical Materials, 2017, 72, 518-523.	3.6	22
74	Spectroscopic properties of lead fluoroborate and heavy metal oxide glasses doped with Yb3+. Journal of Non-Crystalline Solids, 2002, 304, 233-237.	3.1	21
75	Advances on the fabrication process of Er3+/Yb3+:GeO2â€"PbO pedestal waveguides for integrated photonics. Optical Materials, 2015, 49, 196-200.	3.6	21
76	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
77	Upconversion photoluminescence in GeO 2 -PbO glass codoped with Nd 3+ and Yb 3+. Optical Materials, 2016, 60, 313-317.	3.6	20
78	A new fabrication process of pedestal waveguides based on metal dielectric composites of Yb3+/Er3+ codoped PbO-GeO2 thin films with gold nanoparticles. Optical Materials, 2018, 86, 433-440.	3.6	20
79	Evaluation of Carbon thin Films Using Raman Spectroscopy. Materials Research, 2018, 21, .	1.3	20
80	Up-conversion losses in Nd3+ doped lead fluoroborate glasses. Journal of Non-Crystalline Solids, 2004, 348, 98-102.	3.1	19
81	Photoluminescence from germanate glasses containing silicon nanocrystals and erbium ions. Applied Physics B: Lasers and Optics, 2012, 106, 1015-1018.	2.2	19
82	ZnOâ€"TeO2â€"Yb/Tm glasses with silver nanoparticles as laser operated quantum electronic devices. Optics and Laser Technology, 2010, 42, 1340-1343.	4.6	18
83	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
84	Photoinduced second-order optical susceptibilities of Er2O3 doped TeO2â€"GeO2â€"PbO glasses. Optics Communications, 2007, 274, 461-465.	2.1	17
85	Influence of gold nanoparticles on optically stimulated effects in TeO2â€"ZnO and GeO2â€"PbO amorphous thin films. Optics Communications, 2010, 283, 3691-3694.	2.1	17
86	Random laser emission from neodymium doped zinc tellurite glass-powder presenting luminescence concentration quenching. Journal of Luminescence, 2021, 233, 117936.	3.1	17
87	Spectroscopic properties of lead fluoroborate glasses doped with ytterbium. Optics Express, 2001, 8, 585.	3.4	16
88	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
89	Er3+ doped waveguide amplifiers written with femtosecond laser in germanate glasses. Optical Materials, 2011, 33, 1902-1906.	3.6	16
90	Temperature coefficient of optical path of tellurite glasses doped with gold nanoparticles. Optical Materials, 2011, 34, 239-243.	3.6	16

#	ARTICLE	IF	CITATIONS
91	Tunable green/red luminescence by infrared upconversion in biocompatible forsterite nanoparticles with high erbium doping uptake. Optical Materials, 2018, 76, 407-415.	3.6	16
92	Characterization of Thin Carbon Films Produced by the Magnetron Sputtering Technique. Materials Research, 2016, 19, 669-672.	1.3	15
93	Effect of annealing time on the linear and nonlinear optical properties of PbOGeO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1807" altimg="si140.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1815" altimg="si140.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:m	3.6	15
94	Lead fluoroborate glass doped with ytterbium. Journal of Alloys and Compounds, 2002, 344, 264-267.	5.5	14
95	Near infrared and blue cooperative emissions in Yb3+-doped GeO2â€"PbO glasses. Journal of Non-Crystalline Solids, 2006, 352, 56-62.	3.1	14
96	Blue cooperative luminescence properties in Yb3+ doped GeO2â€"PbOâ€"Bi2O3 vitreous system for the production of thin films. Thin Solid Films, 2006, 515, 764-767.	1.8	14
97	Nonlinear optical features on Yb3+/Tm3+ codoped PbO-GeO2 glasses with Si nanoparticles. Materials Research Bulletin, 2016, 77, 8-14.	5.2	14
98	Germanate glass layer containing Eu3+ ions and gold nanoparticles for enhanced silicon solar cell performance. Journal of Luminescence, 2020, 226, 117497.	3.1	14
99	Nonlinear refraction and absorption spectroscopy of tellurite glasses within telecom bands. Journal of Alloys and Compounds, 2021, 872, 159738.	5.5	14
100	Gallium (III) oxide reinforced novel heavy metal oxide (HMO) glasses: A focusing study on synthesis, optical and gamma-ray shielding properties. Ceramics International, 2022, 48, 14261-14272.	4.8	14
101	Nonlinear optical properties of Bi2O3-GeO2 glass at 800 and 532â€‰nm. Journal of Applied Physics, 2013, 114, 073503.	2.5	13
102	Fabrication of Yb3+/Er3+ codoped Bi2O3â€"WO3â€"TeO2 pedestal type waveguide for optical amplifiers. Optical Materials, 2014, 38, 198-203.	3.6	13
103	Production and characterization of Tm3+/Yb3+ codoped waveguides based on PbOâ€"GeO2 thin films. Journal of Alloys and Compounds, 2014, 586, S368-S372.	5.5	13
104	Photoluminescence and nonlinear optical phenomena in plasmonic random mediaâ€"A review of recent works. Journal of Luminescence, 2016, 169, 492-496.	3.1	13
105	Fabrication, optical characteristic, and nuclear radiation shielding properties of newly synthesised PbOâ€"GeO2 glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	13
106	Performance improvement of Si solar cell via down - Conversion and plasmonic processes using Eu3+ doped TeO2-GeO2-PbO glasses with silver nanoparticles as cover layer. Journal of Luminescence, 2021, 238, 118271.	3.1	13
107	Electron beam induced second-harmonic generation in Er3+ doped PbOâ€"GeO2 glasses containing silver nanoparticles. Journal of Materials Science: Materials in Electronics, 2009, 20, 87-91.	2.2	12
108	Fabrication and Characterization of TeO₂-ZnO Rib Waveguides. ECS Transactions, 2010, 31, 225-229.	0.5	12

#	Article	IF	Citations
109	Thermal and structural analysis of germanate glass and thin films co-doped with silver nanoparticles and rare earth ions with insights from visible and Raman spectroscopy. Vibrational Spectroscopy, 2016, 87, 143-148.	2.2	12
110	Double line waveguide amplifiers written by femtosecond laser irradiation in rare-earth doped germanate glasses. Journal of Luminescence, 2020, 217, 116789.	3.1	12
111	Thermo-optical parameters of tellurite glasses doped with Yb3+. Journal Physics D: Applied Physics, 2007, 40, 4073-4077.	2.8	11
112	PbOâ€“GeO2 rib waveguides for photonic applications. Journal of Alloys and Compounds, 2011, 509, S434-S437.	5.5	11
113	Fabrication and characterization of pedestal optical waveguides using TeO2â€“WO3â€“Bi2O3 thin film as core layer. Thin Solid Films, 2014, 571, 225-229.	1.8	11
114	Optical dating using feldspar from Quaternary alluvial and colluvial sediments from SE Brazilian Plateau, Brazil. Journal of Luminescence, 2003, 102-103, 566-570.	3.1	10
115	Optical and thermal investigation of GeO2â€“PbO thin films doped with Au and Ag nanoparticles. Thin Solid Films, 2012, 520, 2667-2671.	1.8	10
116	Enhanced Er3+ photoluminescence in TeO2â€“ZnO glass containing silicon nanocrystals. Applied Physics B: Lasers and Optics, 2015, 121, 117-121.	2.2	10
117	Blue cooperative emission in Yb3+ - doped GeO2 - PbO glasses. Materials Research, 2006, 9, 21-24.	1.3	10
118	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
119	Thermal lens study of PbOâ€“Bi2O3â€“Ga2O3â€“BaO glasses doped with Yb3+. Journal of Non-Crystalline Solids, 2006, 352, 3647-3652.	3.1	9
120	DSC and non-linear optical monitoring of the glass transitions in GeO2â€“PbO doped by erbium. Materials Letters, 2007, 61, 2943-2946.	2.6	9
121	Enhanced Photoluminescence and Planar Waveguide of Rare-Earth Doped Germanium Oxide Glasses with Metallic Nanoparticles. , 2016, , 131-144.		9
122	Study of paramagnetic and luminescence centers of microcline feldspar. Applied Radiation and Isotopes, 2005, 62, 231-236.	1.5	8
123	Photoinduced non-linear optics of Eu2O3DOPED TeO2â€“GeO2â€“PbO glasses. Journal Physics D: Applied Physics, 2007, 40, 1642-1645.	2.8	8
124	Rare-earth-doped germanate and tellurite glasses: Laser, waveguide, and ultrafast device applications. , 2018, , 263-289.		8
125	Improving performance in ytterbium-erbium doped waveguide amplifiers through scattering by large silicon nanostructures. Journal of Alloys and Compounds, 2019, 794, 120-126.	5.5	8
126	Effects of thermal annealing on the semi-insulating properties of radio frequency magnetron sputtering-produced germanate thin films. Thin Solid Films, 2012, 520, 2695-2700.	1.8	6

#	Article	IF	Citations
127	Process Oxygen Flow Influence on the Structural Properties of Thin Films Obtained by Co-Sputtering of (TeO2)x-ZnO and Au onto Si Substrates. Nanomaterials, 2020, 10, 1863.	4.1	6
128	Pedestal waveguides based on GeO2-Bi2O3, GeO2-PbO, Ta2O5 and SiOxNy cores as platforms for optical amplifiers and nonlinear optics applications: Review of recent advances. Journal of Luminescence, 2021, 236, 118113.	3.1	6
129	Glasses of heavy metal and gallium oxides doped with neodymium. Radiation Effects and Defects in Solids, 2001, 156, 371-375.	1.2	5
130	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
131	A new double-line waveguide architecture for photonic applications using fs laser writing in Nd3+ doped GeO2-PbO glasses. Optical Materials, 2022, 129, 112495.	3.6	5
132	Magnetic field correction of the IFUSP RTM booster-end magnets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 404, 181-184.	1.6	4
133	Compositional influence on spectroscopy properties of Yb3+-doped tellurite glasses. , 2006, , .		4
134	PbOâ€“GeO2 rare earth doped glasses with silver nanoparticles as materials for IR laser triggers. Journal of Materials Science: Materials in Electronics, 2012, 23, 1122-1125.	2.2	4
135	Production and Characterization of Carbon Thin Films by the Magnetron Sputtering Technique. Materials Science Forum, 2016, 881, 471-474.	0.3	4
136	Linear and Nonlinear Optical Properties of Some Tellurium Oxide Glasses. Springer Series in Materials Science, 2017, , 15-39.	0.6	4
137	Tellurite Glasses: Solar Cell, Laser, and Luminescent Displays Applications. , 2018, , 225-247.		4
138	Optical properties of B2O3â€“CaF2 glass-ceramics doped with silver nanoparticles and praseodymium ions. Journal of Luminescence, 2021, 238, 118225.	3.1	4
139	Amplification Properties of Femtosecond Laser-Written Er3+/Yb3+ Doped Waveguides in a Tellurium-Zinc Glass. Advances in Optical Technologies, 2013, 2013, 1-5.	0.8	4
140	Semiconductor characteristics of Nd doped PbO-Bi2O3-Ga2O3 films. Brazilian Journal of Physics, 2006, 36, 451-454.	1.4	4
141	Electrical Characterization of TeO2-ZnO Dielectrics Containing Au Nanoparticles. ECS Transactions, 2011, 39, 137-144.	0.5	3
142	Production and characterization of Tm3+/Yb3+ codoped pedestal-type PbOâ€“GeO2 waveguides. Canadian Journal of Physics, 2014, 92, 597-601.	1.1	3
143	Fabrication and characterization of aluminum nitride pedestal-type optical waveguide. Canadian Journal of Physics, 2014, 92, 951-954.	1.1	3
144	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

#	Article	IF	Citations
145	Correcting coils in end magnets of accelerators. Physical Review Special Topics: Accelerators and Beams, 1998, 1, .	1.8	2
146	Photoinduced piezooptical changes caused by microsecond CO2 Infrared lasers in lead-germanate rare earth tridoped glasses. Materials Letters, 2011, 65, 1445-1447.	2.6	2
147	Laser stimulated light reflection for TeO2â€“WO3â€“Bi2O3 thin films with incorporated Si nanoparticles. Journal of Non-Crystalline Solids, 2013, 376, 90-93.	3.1	2
148	Production of Yb³⁺/Er³⁺ codoped PbO-GeO<inf>2</inf> pedestal type waveguides for photonic applications. , 2015, , .		2
149	Influence of gold nanoparticles on Eu³⁺ doped GeO<inf>2</inf>-Bi<inf>2</inf>O<inf>3</inf> glasses covered Silicon solar cell. , 2016, , .		2
150	Tellurite Thin Films Produced by RF Sputtering for Optical Waveguides and Memory Device Applications. Springer Series in Materials Science, 2017, , 241-257.	0.6	2
151	Metal-Dielectric Nanocomposites Based on Germanate and Tellurite Glasses. , 2019, , 3-18.		2
152	Double line neodymium doped GeO2-PbO waveguide amplifier for the second telecom window. , 2020, , .		2
153	The use of correcting coils in end magnets of accelerators. , 0, , .		1
154	Design of the main racetrack microtron accelerator end magnets of the Institute of Physics of University of SÃ£o Paulo. Physical Review Special Topics: Accelerators and Beams, 1999, 2, .	1.8	1
155	Study of the Thermoluminescence and Optical Stimulated Luminescence properties of quartz crystal. Radiation Effects and Defects in Solids, 2001, 154, 347-353.	1.2	1
156	Laser stimulated piezoelectricity in Er3+ doped GeO2â€“Bi2O3 glasses containing silicon nanocrystals. Optical Materials, 2014, 38, 28-32.	3.6	1
157	TeO<inf>2</inf>-ZnO thin films with gold nanoparticles as passivating materials for power devices applications. , 2014, , .		1
158	Efficacy of a total skin care approach using a combination of an antiaging serum and a cream comprising a complex of growth factors for skin rejuvenation. Journal of the American Academy of Dermatology, 2014, 70, AB15.	1.2	1
159	Effect of silver nanoparticles on the optical amplification of lead germanium oxide glasses doped with Nd3+. , 2019, , .		1
160	Pedestal Doped Waveguides for Infrared Light Amplification. , 2019, , 303-326.		1
161	Cooperative Luminescence in TeO2-ZnO Glasses Doped with Yb3+. , 2006, , .		1
162	Emission properties study of a Nd3+-doped TZA glass random laser. , 2022, , .		1

#	Article	IF	Citations
163	Thermoluminescence and ESR centers of Fluorapatite crystal from Brazil. , 2002, , 585-588.		0
164	Optimum Yb/sup 3+/ concentration in PbO-Bi/sub 2/O/sub 3/-Ga/sub 2/O/sub 3/ glasses for ultrashort las.er applications. , 0, , .		0
165	Study of neodymium laser transition in glasses and influence of up-conversion processes under diode pumping. , 0, , .		0
166	Increasing Er[sup 3+] Up-Conversion Intensities By Co-Doping Telluride Glasses With Yb[sup 3+]. AIP Conference Proceedings, 2008, , .	0.4	0
167	Fabrication and Characterization of GeO2-PbO Optical Waveguides. ECS Transactions, 2009, 23, 507-513.	0.5	0
168	Optical Waveguide Amplifier Written Using a Femtosecond Laser in Germanate Glasses. , 2010, , .		0
169	Three Color Upconversion Luminescence of Er3+/Yb3+/Tm3+ Doped Tellurite Glass for Display Applications. ECS Transactions, 2010, 31, 237-242.	0.5	0
170	Production and Characterization of Bi2O3-WO3-TeO2 Thin Films with Au Nanoparticles for Applications with Micro and Nanoelectronic Devices. ECS Transactions, 2011, 39, 117-121.	0.5	0
171	Production of TeO<inf>2</inf>-WO<inf>3</inf>-Bi<inf>2</inf>O<inf>3</inf> thin films for fabrication of integrated optical sensors. , 2013, , .		0
172	Pedestal platform for low loss doped amplifiers and nonlinear optics. , 2017, , .		0
173	Influence of the melting conditions and Bi<inf>2</inf>O<inf>3</inf> concentration on GeO<inf>2</inf>-Bi<inf>2</inf>O<inf>3</inf> glasses for near-infrared broadband devices applications. , 2017, , .		0
174	Optimization of BGO Er/Yb doped pedestal waveguide amplifiers with Si nanostructures. , 2019, , .		0
175	Influence of Silver nanoparticles on Tb3+ doped TeO2-ZnO glasses covered Silicon solar cell. , 2019, , .		0
176	Thermo-optical properties of glasses doped with semiconductor or metallic nanoparticles and rare-earth ions. , 2020, , 5-29.		0
177	New double line architecture produced by fs laser irradiation in Nd3+ doped TeO2-ZnO glass for photonic applications. , 2021, , .		0
178	Nanoparticles-based photonic metalâ€“dielectric composites: A survey of recent results. Optical Materials: X, 2021, 12, 100098.	0.8	0
179	Influence of silicon nanocrystals on the performance of Yb3+/Er3+: Bi2O3-GeO2 pedestal waveguides for amplification at 1542 nm. , 2018, , .		0
180	Femtosecond laser-written double line waveguides in germanate and tellurite glasses. , 2018, , .		0

#	Article	IF	Citations
181	Tunable visible emission and white light generation by Ag nanoclusters in Tm^{3+}/Yb^{3+} doped GeO_2-PbO glasses. , 2021, , .		0
182	Broadband visible light emission by GeO_2-PbO glasses doped with Ag nanoclusters. , 2021, , .		0
183	Temporal study of a Nd^{3+} doped TZA glass random laser. , 2021, , .		0
184	Fs laser writing in Nd^{3+} doped GeO_2-PbO glasses for the production of a new double line waveguide architectures for photonic applications. , 2022, , .		0
185	Influence of different parameters used for fs laser writing of double line waveguides into Nd^{3+} doped TeO_2-ZnO glasses by fs laser writing. , 2022, , .		0