Sidney J L Ribeiro

List of Publications by Year
in descending order

424 papers	14,912 citations	17440 63 h-index	34986 98 g-index
432 all docs	432 docs citations	432 times ranked	14061 citing authors

#	Article	IF	Citations
1	Lanthanideâ€Containing Lightâ€Emitting Organicâ€“Inorganic Hybrids: A Bet on the Future. Advanced Materials, 2009, 21, 509-534.	21.0	850
2	Full-Color Phosphors from Europium(III)-Based Organosilicates. Advanced Materials, 2000, 12, 594-598.	21.0	313
3	A multipurpose natural and renewable polymer in medical applications: Bacterial cellulose. Carbohydrate Polymers, 2016, 153, 406-420.	10.2	250
4	Thermal behavior of cellulose acetate produced from homogeneous acetylation of bacterial cellulose. Thermochimica Acta, 2008, 471, 61-69.	2.7	234
5	Facile Synthesis of Sub-20 nm Silver Nanowires through a Bromide-Mediated Polyol Method. ACS Nano, 2016, 10, 7892-7900.	14.6	223
6	Preparation and characterization of a bacterial cellulose/silk fibroin sponge scaffold for tissue regeneration. Carbohydrate Polymers, 2015, 128, 41-51.	10.2	185
7	Bacterial cellulose membrane as flexible substrate for organic light emitting devices. Thin Solid Films, 2008, 517, 1016-1020.	1.8	182
8	Energy-Transfer Mechanisms and Emission Quantum Yields In Eu3+-Based Siloxane-Poly(oxyethylene) Nanohybrids. Chemistry of Materials, 2001, 13, 2991-2998.	6.7	178
9	Antimicrobial Bacterial Cellulose-Silver Nanoparticles Composite Membranes. Journal of Nanomaterials, 2011, 2011, 1-8.	2.7	178
10	Self-supported silver nanoparticles containing bacterial cellulose membranes. Materials Science and Engineering C, 2008, 28, 515-518.	7.3	166
11	Bacterial Cellulose-Hydroxyapatite Nanocomposites for Bone Regeneration. International Journal of Biomaterials, 2011, 2011, 1-8.	2.4	166
12	Synthesis and characterization of cellulose acetate produced from recycled newspaper. Carbohydrate Polymers, 2008, 73, 74-82.	10.2	160
13	Bacterial cellulose-collagen nanocomposite for bone tissue engineering. Journal of Materials Chemistry, 2012, 22, 22102.	6.7	159
14	Luminescent solar concentrators: challenges for lanthanide-based organicâ€“inorganic hybrid materials. Journal of Materials Chemistry A, 2014, 2, 5580-5596.	10.3	150
15	Full-Color Phosphors from Amine-Functionalized Crosslinked Hybrids Lacking Metal Activator Ions. Advanced Functional Materials, 2001, 11, 111-115.	14.9	148
16	A portable luminescent thermometer based on green up-conversion emission of Er3+/Yb3+ co-doped tellurite glass. Scientific Reports, 2017, 7, 41596.	3.3	138
17	Bacterial cellulose/poly(3-hydroxybutyrate) composite membranes. Carbohydrate Polymers, 2011, 83, 1279-1284.	10.2	135
18	Characterization of methylcellulose produced from sugar cane bagasse cellulose: Crystallinity and thermal properties. Polymer Degradation and Stability, 2007, 92, 205-210.	5.8	133

#	Article	IF	Citations
19	Thermal characterization of bacterial celluloseâ€“phosphate composite membranes. Journal of Thermal Analysis and Calorimetry, 2007, 87, 815-818.	3.6	126
20	Structure and properties of conducting bacterial cellulose-polyaniline nanocomposites. Cellulose, 2011, 18, 1285-1294.	4.9	126
21	Clustering of rare earth in glasses, aluminum effect: experiments and modeling. Journal of Non-Crystalline Solids, 2004, 348, 44-50.	3.1	122
22	White light emission ofEu3+-based hybrid xerogels. Physical Review B, 1999, 60, 10042-10053.	3.2	117
23	Erbium-activated HfO2-based waveguides for photonics. Optical Materials, 2004, 25, 131-139.	3.6	116
24	Bacterial celluloseâ€“silica organicâ€“inorganic hybrids. Journal of Sol-Gel Science and Technology, 2008, 46, 363-367.	2.4	116
25	Theoretical intensities of 4f-4f transitions between stark levels of the Eu3+ ion in crystals. Journal of Physics and Chemistry of Solids, 1991, 52, 587-593.	4.0	112
26	Bacterial Cellulose/Collagen Hydrogel for Wound Healing. Materials Research, 2016, 19, 106-116.	1.3	108
27	Sol-gel Er-doped SiO2â€“HfO2 planar waveguides: A viable system for 1.5 Î¼m application. Applied Physics Letters, 2002, 81, 28-30.	3.3	107
28	Low optical loss planar waveguides prepared in an organicâ€“inorganic hybrid system. Applied Physics Letters, 2000, 77, 3502-3504.	3.3	104
29	Antimony oxide based glasses. Journal of Non-Crystalline Solids, 2001, 284, 110-116.	3.1	103
30	Study of Hybrid Silica-Polyethyleneglycol Xerogels by Eu3+ Luminescence Spectroscopy. Journal of Sol-Gel Science and Technology, 1998, 13, 427-432.	2.4	102
31	Synthesis and characterization of silver nanoparticles impregnated into bacterial cellulose. Materials Letters, 2009, 63, 797-799.	2.6	102
32	Hydrothermal synthesis of bacterial celluloseâ€“copper oxide nanocomposites and evaluation of their antimicrobial activity. Carbohydrate Polymers, 2018, 179, 341-349.	10.2	94
33	Bacterial Nanocellulose/MoS₂ Hybrid Aerogels as Bifunctional Adsorbent/Photocatalyst Membranes for <i>in-Flow</i> Water Decontamination. ACS Applied Materials & Interfaces, 2020, 12, 41627-41643.	8.0	92
34	Blue upconversion enhancement by a factor of 200 in Tm3+-doped tellurite glass by codoping with Nd3+ ions. Journal of Applied Physics, 2002, 92, 6337-6339.	2.5	91
35	Structural Studies of NaPO₃â^'MoO₃ Glasses by Solid-State Nuclear Magnetic Resonance and Raman Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 10109-10117.	2.6	89
36	Development and characterization of bacterial cellulose produced by cashew tree residues as alternative carbon source. Industrial Crops and Products, 2017, 107, 13-19.	5.2	87

#	Article	IF	Citations
37	Effect of in situ modification of bacterial cellulose with carboxymethylcellulose on its nano/microstructure and methotrexate release properties. Carbohydrate Polymers, 2018, 179, 126-134.	10.2	87
38	Structural studies of NaPO3â€“WO3glasses by solid state NMR and Raman spectroscopy. Journal of Materials Chemistry, 2006, 16, 3277-3284.	6.7	86
39	Structural studies in lead germanate glasses: EXAFS and vibrational spectroscopy. Journal of Non-Crystalline Solids, 1993, 159, 213-221.	3.1	85
40	Structural studies on TeO2â€“PbO glasses. Journal of Physics and Chemistry of Solids, 2001, 62, 1055-1060.	4.0	85
41	Structural study of tungstate fluorophosphate glasses by Raman and X-ray absorption spectroscopy. Journal of Solid State Chemistry, 2005, 178, 1533-1538.	2.9	85
42	Preparation and antibacterial activity of silver nanoparticles impregnated in bacterial cellulose. Polimeros, 2010, 20, 72-77.	0.7	84
43	Coordination of Eu3+Ions in Siliceous Nanohybrids Containing Short Polyether Chains and Bridging Urea Cross-links. Journal of Physical Chemistry B, 2001, 105, 3378-3386.	2.6	83
44	Intense red upconversion emission in infrared excited holmium-doped PbGeO3â€“PbF2â€“CdF2 transparent glass ceramic. Journal of Luminescence, 2004, 110, 79-84.	3.1	82
45	Antimicrobial Brazilian Propolis (EPP-AF) Containing Biocellulose Membranes as Promising Biomaterial for Skin Wound Healing. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-10.	1.2	82
46	Hybrid layer-by-layer (LbL) films of polyaniline, graphene oxide and zinc oxide to detect ammonia. Sensors and Actuators B: Chemical, 2017, 238, 795-801.	7.8	81
47	Redox Behavior of Molybdenum and Tungsten in Phosphate Glasses. Journal of Physical Chemistry B, 2008, 112, 4481-4487.	2.6	80
48	Transparent composites prepared from bacterial cellulose and castor oil based polyurethane as substrates for flexible OLEDs. Journal of Materials Chemistry C, 2015, 3, 11581-11588.	5.5	78
49	Three-dimensional printing and in vitro evaluation of poly(3-hydroxybutyrate) scaffolds functionalized with osteogenic growth peptide for tissue engineering. Materials Science and Engineering C, 2018, 89, 265-273.	7.3	76
50	Microbial nanocellulose adherent to human skin used in electrochemical sensors to detect metal ions and biomarkers in sweat. Talanta, 2020, 218, 121153.	5.5	76
51	Redâ€“greenâ€“blue upconversion emission and energy-transfer between Tm 3+ and Er 3+ ions in tellurite glasses excited at 1.064 Î¼m. Journal of Solid State Chemistry, 2003, 171, 278-281.	2.9	74
52	Komagataeibacter rhaeticus grown in sugarcane molasses-supplemented culture medium as a strategy for enhancing bacterial cellulose production. Industrial Crops and Products, 2018, 122, 637-646.	5.2	74
53	Electro-precipitation of Fe3O4 nanoparticles in ethanol. Journal of Magnetism and Magnetic Materials, 2008, 320, 2311-2315.	2.3	73
54	Characterization and in vitro evaluation of bacterial cellulose membranes functionalized with osteogenic growth peptide for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2012, 23, 2253-2266.	3.6	72

#	Article	IF	Citations
55	Synergistic effect of green coffee oil and synthetic sunscreen for health care application. Industrial Crops and Products, 2014, 52, 389-393.	5.2	72
56	New tungstate fluorophosphate glasses. Journal of Non-Crystalline Solids, 2005, 351, 293-298.	3.1	69
57	Luminescence and non-radiative processes in lanthanide squarate hydrates. Journal of Physics and Chemistry of Solids, 1996, 57, 1727-1734.	4.0	68
58	Structure and Luminescence of Eu3+-Doped Class I Siloxaneâ˜Poly(ethylene glycol) Hybrids. Chemistry of Materials, 2001, 13, 2818-2823.	6.7	68
59	Sensitized thulium blue upconversion emission in Nd3+/Tm3+/Yb3+ triply doped lead and cadmium germanate glass excited around 800 nm. Journal of Applied Physics, 2003, 94, 5678-5681.	2.5	68
60	Bacterial celluloseâ€“laponite clay nanocomposites. Polymer, 2011, 52, 157-163.	3.8	67
61	Simple Green Approach to Reinforce Natural Rubber with Bacterial Cellulose Nanofibers. Biomacromolecules, 2013, 14, 2667-2674.	5.4	67
62	Structural and Luminescence Properties of Silica-Based Hybrids Containing New Silylated-Diketonato Europium(III) Complex. Journal of Physical Chemistry C, 2012, 116, 505-515.	3.1	66
63	Enhanced emission from Eu(III) Î²-diketone complex combined with ether-type oxygen atoms of di-ureasil organicâ€“inorganic hybrids. Journal of Luminescence, 2003, 104, 93-101.	3.1	65
64	Optical spectroscopy and frequency upconversion properties of Tm3+ doped tungstate fluorophosphate glasses. Journal of Applied Physics, 2003, 93, 1493-1497.	2.5	65
65	Nanocellulose-collagen-apatite composite associated with osteogenic growth peptide for bone regeneration. International Journal of Biological Macromolecules, 2017, 103, 467-476.	7.5	64
66	Upconversion luminescence in transparent glass ceramics containing Î²-PbF2 nanocrystals doped with erbium. Journal of Alloys and Compounds, 2004, 375, 224-228.	5.5	61
67	Photoluminescence of Eu3+ ion in SnO2 obtained by solâ€“gel. Journal of Materials Science, 2008, 43, 345-349.	3.7	61
68	Bulk photochromism in a tungstate-phosphate glass: A new optical memory material?. Journal of Chemical Physics, 2006, 125, 161101.	3.0	60
69	Mechanism of the Ybâ€“Er energy transfer in fluorozirconate glass. Journal of Applied Physics, 2003, 93, 3873-3880.	2.5	58
70	Bacterial cellulose-hydroxyapatite composites with osteogenic growth peptide (OGP) or pentapeptide OGP on bone regeneration in critical-size calvarial defect model. Journal of Biomedical Materials Research - Part A, 2015, 103, 3397-3406.	4.0	57
71	Structural organization and thermal properties of the Sb2O3â€“SbPO4glass system. Journal of Materials Chemistry, 2004, 14, 3398-3405.	6.7	56
72	Optical characteristics of Er3+â€“Yb3+ doped SnO2 xerogels. Journal of Alloys and Compounds, 2002, 344, 217-220.	5.5	54

#	Article	IF	Citations
73	Flexible magnetic membranes based on bacterial cellulose and its evaluation as electromagnetic interference shielding material. Materials Science and Engineering C, 2013, 33, 3994-4001.	7.3	54
74	Komagataeibacter rhaeticus as an alternative bacteria for cellulose production. Carbohydrate Polymers, 2016, 152, 841-849.	10.2	54
75	Solvent-controlled deposition of titania on silica spheres for the preparation of SiO2@TiO2 core@shell nanoparticles with enhanced photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 293-305.	4.7	54
76	Infrared-to-visible CW frequency upconversion in erbium activated silicaâ€“hafnia waveguides prepared by solâ€“gel route. Journal of Non-Crystalline Solids, 2003, 322, 306-310.	3.1	53
77	BiossÃntese e recentes avanÃ§os na produÃ§Ã£o de celulose bacteriana. Ecletica Quimica, 2010, 35, 165-178.	0.5	53
78	Preparation and Characterization of Chitosan Nanoparticles for Zidovudine Nasal Delivery. Journal of Nanoscience and Nanotechnology, 2015, 15, 865-874.	0.9	53
79	Planar and UV written channel optical waveguides prepared with siloxaneâ€“poly(oxyethylene)â€“zirconia organicâ€“inorganic hybrids. Structure and optical properties. Journal of Materials Chemistry, 2005, 15, 3937.	6.7	52
80	Excited state dynamics of the Ho3+ ions in holmium singly doped and holmium, praseodymium-codoped fluoride glasses. Journal of Applied Physics, 2007, 101, 123111.	2.5	52
81	Broadband NIR emission in novel solâ€“gel Er3+-doped SiO2â€“Nb2O5 glass ceramic planar waveguides for photonic applications. Optical Materials, 2013, 35, 387-396.	3.6	52
82	Microwave synthesis of YAG:Eu by solâ€“gel methodology. Journal of Luminescence, 2007, 126, 378-382.	3.1	51
83	Active planar waveguides based on solâ€“gel Er3+-doped SiO2â€“ZrO2 for photonic applications: Morphological, structural and optical properties. Journal of Non-Crystalline Solids, 2008, 354, 4846-4851.	3.1	51
84	Scale up the collection area of luminescent solar concentrators towards metreâ€length flexible waveguiding photovoltaics. Progress in Photovoltaics: Research and Applications, 2016, 24, 1178-1193.	8.1	51
85	Er3+ and Eu3+ containing transparent glass ceramics in the system PbGeO3â€“PbF2â€“CdF2. Journal of Non-Crystalline Solids, 1999, 247, 87-91.	3.1	50
86	UV and Temperature-Sensing Based on NaGdF₄:Yb³⁺:Er³⁺@SiO₂â€“Eu(tta)₃. ACS Omega, 2017, 2, 2065-2071.	3.5	50
87	SiO2â€“PbF2â€“CdF2 glasses and glass ceramics. Journal of Physics and Chemistry of Solids, 2003, 64, 95-105.	4.0	48
88	Erbium Singleâ€Band Nanothermometry in the Third Biological Imaging Window: Potential and Limitations. Advanced Optical Materials, 2020, 8, 2001178.	7.3	48
89	Singlet Oxygen Generation Enhanced by Silver-Pectin Nanoparticles. Journal of Fluorescence, 2012, 22, 1633-1638.	2.5	47
90	Random laser action from flexible biocellulose-based device. Journal of Applied Physics, 2014, 115, 083108.	2.5	47

#	Article	IF	Citations
91	Tungstate fluorophosphate glasses as optical limiters. Journal of Applied Physics, 2002, 91, 10221.	2.5	45
92	Structural and Spectroscopic Properties of Luminescent Er3+-Doped SiO2-Ta2O5 Nanocomposites. Journal of the American Ceramic Society, 2011, 94, 1230-1237.	3.8	45
93	Photopatternable Di-ureasilâ˘Zirconium Oxocluster Organicâ˘Inorganic Hybrids As Cost Effective Integrated Optical Substrates. Chemistry of Materials, 2008, 20, 3696-3705.	6.7	44
94	1.5 Î¼m and visible up-conversion emissions in Er3+/Yb3+ co-doped tellurite glasses and optical fibers for photonic applications. Journal of Materials Chemistry, 2012, 22, 16540.	6.7	44
95	Blue cooperative luminescence in Yb3+-doped tellurite glasses excited at 1.064 Î¼m. Journal of Chemical Physics, 2002, 116, 6772-6776.	3.0	43
96	Infrared-to-visible frequency upconversion in Pr3+/Yb3+- and Er3+/Yb3+-codoped tellurite glasses. Journal of Alloys and Compounds, 2002, 344, 304-307.	5.5	43
97	Elaboration of boehmite nano-powders by spray-pyrolysis. Powder Technology, 2009, 190, 95-98.	4.2	43
98	Optically transparent membrane based on bacterial cellulose/polycaprolactone. Polimeros, 2013, 23, 135-142.	0.7	43
99	Titania-based organicâ€“inorganic hybrid planar waveguides. Journal of Alloys and Compounds, 2002, 344, 221-225.	5.5	42
100	Synthesis and characterization of microcrystalline cellulose produced from bacterial cellulose. Journal of Thermal Analysis and Calorimetry, 2011, 106, 703-709.	3.6	42
101	Tunable plasmon resonance modes on gold nanoparticles in Er3+-doped germaniumâ€“tellurite glass. Journal of Non-Crystalline Solids, 2013, 378, 126-134.	3.1	42
102	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
103	Multicolor up conversion emission and color tunability in Yb3+/Tm3+/Ho3+ triply doped heavy metal oxide glasses. Optical Materials, 2011, 33, 1916-1920.	3.6	41
104	Enhanced photoactivity of BiVO4/Ag/Ag2O Z-scheme photocatalyst for efficient environmental remediation under natural sunlight and low-cost LED illumination. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 600, 124946.	4.7	41
105	Flexible bacterial cellulose-based BC-SiO2-TiO2-Ag membranes with self-cleaning, photocatalytic, antibacterial and UV-shielding properties as a potential multifunctional material for combating infections and environmental applications. Journal of Environmental Chemical Engineering, 2021, 9, 104708.	6.7	41
106	Going Above and Beyond: A Tenfold Gain in the Performance of Luminescence Thermometers Joining Multiparametric Sensing and Multiple Regression. Laser and Photonics Reviews, 2021, 15, 2100301.	8.7	41
107	Synthesis and structural investigations on TeO2-PbF2-CdF2 glasses and transparent glass-ceramics. Journal of Physics and Chemistry of Solids, 2002, 63, 605-612.	4.0	40
108	Title is missing!. Optical and Quantum Electronics, 2002, 34, 1151-1166.	3.3	40

#	Article	IF	Citations
109	Silk fibroin biopolymer films as efficient hosts for DFB laser operation. Journal of Materials Chemistry C, 2013, 1, 7181.	5.5	40
110	Infrared to Visible Upâ€Conversion Emission in <scp><scp>Er</scp></scp>³⁺/<scp><scp>Yb</scp></scp>³⁺ Codoped Fluoroâ€"Phosphate Glassâ€"Ceramics. Journal of the American Ceramic Society, 2013, 96, 825-832.	3.8	40
111	Energy transfer process in highly photoluminescent binuclear hydrocinnamate of europium, terbium and gadolinium containing 1,10-phenanthroline as ancillary ligand. Inorganica Chimica Acta, 2016, 441, 67-77.	2.4	40
112	Synthesis and factorial design applied to a novel chitosan/sodium polyphosphate nanoparticles via ionotropic gelation as an RGD delivery system. Carbohydrate Polymers, 2017, 157, 1695-1702.	10.2	40
113	Energy upconversion luminescence in neodymium-doped tellurite glass. Journal of Alloys and Compounds, 2002, 346, 282-284.	5.5	39
114	Structural and spectroscopic study of oxyfluoride glasses and glass-ceramics using europium ion as a structural probe. Journal of Physics Condensed Matter, 2008, 20, 145201.	1.8	39
115	Orange emission in Pr3+-doped fluoroindate glasses. Optical Materials, 2013, 35, 383-386.	3.6	39
116	Inorganic-organic bio-nanocomposite films based on Laponite and Cellulose Nanofibers (CNF). Applied Clay Science, 2019, 168, 428-435.	5.2	39
117	Red, green, and blue upconversion luminescence in ytterbium-sensitized praseodymium-doped leadâ€"cadmiumâ€"germanate glass. Optical Materials, 2004, 26, 271-274.	3.6	38
118	Electro-optical properties of Er-doped SnO2 thin films. Journal of the European Ceramic Society, 2004, 24, 1857-1860.	5.7	38
119	Upconversion luminescence in Ho3+/Yb3+- and Tb3+/Yb3+-codoped fluorogermanate glass and glass ceramic. Journal of Non-Crystalline Solids, 2008, 354, 509-514.	3.1	38
120	Crystallization of monoclinic WO3 in tungstate fluorophosphate glasses. Journal of Non-Crystalline Solids, 2009, 355, 441-446.	3.1	38
121	Hybrid composite material based on polythiophene derivative nanofibers modified with gold nanoparticles for optoelectronics applications. Journal of Materials Science, 2017, 52, 1919-1929.	3.7	38
122	Sustainable luminescent solar concentrators based on organicâ€"inorganic hybrids modified with chlorophyll. Journal of Materials Chemistry A, 2018, 6, 8712-8723.	10.3	38
123	Eu3+ and Gd3+ spectroscopy in fluoroindate glasses. Chemical Physics Letters, 1994, 220, 214-218.	2.6	37
124	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
125	Spectroscopic Study and Local Coordination of Polyphosphate Colloidal Systems. Langmuir, 2005, 21, 1776-1783.	3.5	37
126	Study of fluorine losses in oxyfluoride glasses. Journal of Non-Crystalline Solids, 2005, 351, 3804-3808.	3.1	37

#	ARTICLE	IF	CITATIONS
127	Photochromic properties of tungstate-based glasses. Solid State Ionics, 2007, 178, 871-875.	2.7	37
128	Nonlinear Optical Properties of Tungsten Leadâ€“Pyrophosphate Glasses Containing Metallic Copper Nanoparticles. Plasmonics, 2013, 8, 1667-1674.	3.4	37
129	Unusual broadening of the NIR luminescence of Er3+-doped Nb2O5 nanocrystals embedded in silica host: Preparation and their structural and spectroscopic study for photonics applications. Materials Chemistry and Physics, 2014, 147, 751-760.	4.0	37
130	Nano- and Macroscale Structural and Mechanical Properties of in Situ Synthesized Bacterial Cellulose/PEO-<i>b</i>-PPO-<i>b</i>-PEO Biocomposites. ACS Applied Materials & Interfaces, 2015, 7, 4142-4150.	8.0	36
131	Local order around tungsten atoms in tungstate fluorophosphate glasses by X-ray absorption spectroscopy. Journal of Non-Crystalline Solids, 2005, 351, 3644-3648.	3.1	35
132	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
133	Microwave-assisted synthesis of NaYF₄:Yb³⁺/Tm³⁺ upconversion particles with tailored morphology and phase for the design of UV/NIR-active NaYF₄:Yb³⁺/Tm³⁺@TiO₂ core@shell photocatalysts. CrystEngComm, 2017, 19, 3465-3475.	2.6	35
134	Upconversion nanoparticle-decorated gold nanoshells for near-infrared induced heating and thermometry. Journal of Materials Chemistry B, 2017, 5, 7109-7117.	5.8	35
135	DETC-based bacterial cellulose bio-curatives for topical treatment of cutaneous leishmaniasis. Scientific Reports, 2016, 6, 38330.	3.3	34
136	Determination of olive oil acidity by CE. Electrophoresis, 2007, 28, 3731-3736.	2.4	33
137	Synthesis, structural characterization, luminescent properties and theoretical study of three novel lanthanide metal-organic frameworks of Ho(III), Gd(III) and Eu(III) with 2,5-thiophenedicarboxylate anion. Journal of Solid State Chemistry, 2015, 227, 68-78.	2.9	33
138	Erbium-activated silicaâ€“zirconia planar waveguides prepared by solâ€“gel route. Thin Solid Films, 2008, 516, 3094-3097.	1.8	32
139	NIR luminescent Er3+/Yb3+ co-doped SiO2â€“ZrO2 nanostructured planar and channel waveguides: Optical and structural properties. Materials Chemistry and Physics, 2012, 136, 120-129.	4.0	32
140	Terbium(III) and dysprosium(III) 8-connected 3D networks containing 2,5-thiophenedicarboxylate anion: Crystal structures and photoluminescence studies. Polyhedron, 2012, 38, 149-156.	2.2	32
141	Orange pectin mediated growth and stability of aqueous gold and silver nanocolloids. Applied Surface Science, 2015, 341, 28-36.	6.1	32
142	Largeâ€Area Tunable Visibleâ€toâ€Nearâ€Infrared Luminescent Solar Concentrators. Advanced Sustainable Systems, 2018, 2, 1800002.	5.3	32
143	Poole-Frenkel effect in Er doped SnO2thin films deposited by sol-gel-dip-coating. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 301-308.	1.8	31
144	Broadband NIR Emission in Solâ€“Gel Er³⁺-Activated SiO₂â€“Ta₂O₅ Glass Ceramic Planar and Channel Waveguides for Optical Application. Journal of Nanoscience and Nanotechnology, 2011, 11, 2540-2544.	0.9	31

#	Article	IF	Citations
145	Self-supported bacterial cellulose/boehmite organicâ€“inorganic hybrid films. Journal of Sol-Gel Science and Technology, 2012, 63, 211-218.	2.4	31
146	APTES-Modified RE₂O₃:Eu³⁺ Luminescent Beads: Structure and Properties. Langmuir, 2012, 28, 3962-3971.	3.5	31
147	Visible to infrared energy conversion in Pr3+â€“Yb3+ co-doped fluoroindate glasses. Optical Materials, 2013, 35, 2085-2089.	3.6	31
148	Synthesis and Characterization of Methylcellulose Produced from Bacterial Cellulose under Heterogeneous Condition. Journal of the Brazilian Chemical Society, 2015, , .	0.6	31
149	Mueller matrix spectroscopic ellipsometry study of chiral nanocrystalline cellulose films. Journal of Optics (United Kingdom), 2018, 20, 024001.	2.2	31
150	Enhanced NIR-I emission from water-dispersible NIR-II dye-sensitized core/active shell upconverting nanoparticles. Journal of Materials Chemistry C, 2018, 6, 4777-4785.	5.5	31
151	SiO2-TiO2 doped with Er3+/Yb3+/Eu3+ photoluminescent material: A spectroscopy and structural study about potential application for improvement of the efficiency on solar cells. Materials Research Bulletin, 2018, 107, 295-307.	5.2	31
152	Development, characterization and pre-clinical trials of an innovative wound healing dressing based on propolis (EPP-AFÂ®)-containing self-microemulsifying formulation incorporated in biocellulose membranes. International Journal of Biological Macromolecules, 2019, 136, 570-578.	7.5	31
153	Glasses in the SbPO4â€“WO3 system. Journal of Non-Crystalline Solids, 2007, 353, 1592-1597.	3.1	30
154	Er3+-doped Y2O3 obtained by polymeric precursor: Synthesis, structure and upconversion emission properties. Journal of Luminescence, 2014, 149, 333-340.	3.1	30
155	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
156	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	5.3	30
157	Above bandgap induced photoexpansion and photobleaching in Gaâ€“Geâ€“S based glasses. Journal of Non-Crystalline Solids, 2001, 284, 282-287.	3.1	29
158	Synthesis and luminescence properties of water dispersible Eu³⁺-doped boehmite nanoparticles. Nanotechnology, 2007, 18, 455605.	2.6	29
159	Influence of Ga incorporation on photoinduced phenomena in Geâ€“S based glasses. Journal of Non-Crystalline Solids, 2009, 355, 1884-1889.	3.1	29
160	First crystal structures of lanthanide-hydrocinnamate complexes: Hydrothermal synthesis and photophysical studies. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 252, 69-76.	3.9	29
161	Organosilylated Complex [Eu(TTA)₃(Bpy-Si)]: A Bifunctional Moiety for the Engeneering of Luminescent Silica-Based Nanoparticles for Bioimaging. Langmuir, 2013, 29, 5878-5888.	3.5	29
162	Color tunability in green, red and infra-red upconversion emission in Tm3+/Yb3+/Ho3+ co-doped CeO2 with potential application for improvement of efficiency in solar cells. Journal of Luminescence, 2015, 159, 223-228.	3.1	29

#	Article	IF	Citations
163	Highly nonlinear Pb2P2O7-Nb2O5 glasses for optical fiber production. Journal of Non-Crystalline Solids, 2016, 443, 82-90.	3.1	29
164	Regenerated cellulose scaffolds: Preparation, characterization and toxicological evaluation. Carbohydrate Polymers, 2016, 136, 892-898.	10.2	29
165	1.5Î¼m Emission and infrared-to-visible frequency upconversion in Er+3/Yb+3-doped phosphoniobate glasses. Journal of Non-Crystalline Solids, 2006, 352, 3636-3641.	3.1	28
166	Bacterial Cellulose from Glucanacetobacter xylinus: Preparation, Properties and Applications. , 2007, , 369-383.		28
167	Non-leachable highly luminescent ordered mesoporous SiO2spherical particles. Nanotechnology, 2010, 21, 155603.	2.6	28
168	Biodegradation evaluation of bacterial cellulose, vegetable cellulose and poly (3-hydroxybutyrate) in soil. Polimeros, 2015, 25, 154-160.	0.7	28
169	SnO2:Eu nanocrystallites in SnO2 monolithic xerogels. Chemical Physics Letters, 1992, 190, 64-66.	2.6	27
170	Evaluation of laser level populations of erbium-doped glasses. Journal of Luminescence, 2007, 124, 200-206.	3.1	27
171	Er³⁺-Based Diureasil Organicâ^'Inorganic Hybrids. Journal of Physical Chemistry C, 2008, 112, 19346-19352.	3.1	27
172	Transparent bacterial celluloseâ€“boehmiteâ€“epoxi-siloxane nanocomposites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 973-977.	7.6	27
173	Immunosensor Based on Immobilization of Antigenic Peptide NS5A-1 from HCV and Silk Fibroin in Nanostructured Films. Langmuir, 2013, 29, 3829-3834.	3.5	27
174	Transparent organicâ€“inorganic nanocomposites membranes based on carboxymethylcellulose and synthetic clay. Industrial Crops and Products, 2015, 69, 415-423.	5.2	27
175	Preparation, Structural Characterization, and Electrical Conductivity of Highly Ion-Conducting Glasses and Glass Ceramics in the System Li_{1+<i>x</i>}Al_{<i>x</i>}Sn_{<i>y</i>}Ge_{2-(x+y)}(PO₄)₃. Journal of Physical Chemistry C, 2016, 120, 14556-14567.	3.1	27
176	Silk fibroin organization induced by chitosan in layer-by-layer films: Application as a matrix in a biosensor. Carbohydrate Polymers, 2017, 155, 146-151.	10.2	27
177	Thermally stable SiO₂@TiO₂ core@shell nanoparticles for application in photocatalytic self-cleaning ceramic tiles. Materials Advances, 2021, 2, 2085-2096.	5.4	27
178	Energy transfer between Tm3+ and Er3+ ions in a TeO2-based glass pumped at diode laser wavelength. Journal of Non-Crystalline Solids, 2007, 353, 94-101.	3.1	26
179	Preparation and characterization of the bacterial cellulose/polyurethane nanocomposites. Journal of Thermal Analysis and Calorimetry, 2013, 114, 549-555.	3.6	26
180	Optical sensor platform based on cellulose nanocrystals (CNC) â€“ 4â€²-(hexyloxy)-4-biphenylcarbonitrile (HOBC) bi-phase nematic liquid crystal composite films. Carbohydrate Polymers, 2017, 168, 346-355.	10.2	26

#	Article	IF	Citations
181	Phosphotellurite glass and glass-ceramics with high TeO₂ contents: thermal, structural and optical properties. Dalton Transactions, 2019, 48, 6261-6272.	3.3	26
182	Dynamics of Tmâ€“Ho energy transfer and deactivation of the 3F4 low level of thulium in fluorozirconate glasses. Journal of Applied Physics, 2004, 95, 5451-5463.	2.5	25
183	Thermal, structural and optical properties of new tungsten leadâ€“pyrophosphate glasses. Optical Materials, 2011, 33, 1862-1866.	3.6	25
184	Spectroscopic study of lanthanide squarate hydrates. Journal of Alloys and Compounds, 1994, 216, 61-66.	5.5	24
185	Thermalâ€“optical properties of Ga:La:S glasses measured by thermal lens technique. Journal of Non-Crystalline Solids, 1999, 247, 222-226.	3.1	24
186	Spectroscopic properties of polycarbonate and poly(methyl methacrylate) blends doped with europium (III) acetylacetonate. Journal of Luminescence, 2006, 117, 61-67.	3.1	24
187	Draft Genome Sequence of Komagataeibacter rhaeticus Strain AF1, a High Producer of Cellulose, Isolated from Kombucha Tea. Genome Announcements, 2014, 2, .	0.8	24
188	Biocellulose-based flexible magnetic paper. Journal of Applied Physics, 2015, 117, 17B734.	2.5	24
189	Near infrared emission and multicolor tunability of enhanced upconversion emission from Er 3+ â€“Yb 3+ co-doped Nb 2 O 5 nanocrystals embedded in silica-based nanocomposite and planar waveguides for photonics. Journal of Luminescence, 2016, 170, 431-443.	3.1	24
190	Short range order evolution in the preparation of SnO2 based materials. Journal of Sol-Gel Science and Technology, 1997, 8, 261-268.	2.4	23
191	Raman scattering, differential scanning calorimetry and Nd3+ spectroscopy in alkali niobium tellurite glasses. Journal of Non-Crystalline Solids, 1999, 247, 58-63.	3.1	23
192	Efficient energy upconversion emission in Tm3+/Yb3+-codoped TeO2-based optical glasses excited at 1.064 Î¼m. Journal of Applied Physics, 2001, 90, 6550-6552.	2.5	23
193	Aluminoxaneâ€“epoxiâ€“siloxane hybrids waveguides. Journal of Non-Crystalline Solids, 2008, 354, 4795-4799.	3.1	23
194	Yb^3+, Tm^3+ and Ho^3+ triply-doped tellurite core-cladding optical fiber for white light generation. Optical Materials Express, 2011, 1, 1515.	3.0	23
195	Reassessment of the potential applications of Eu3+-doped Y2O3 photoluminescent material in ceramic powder form. Ceramics International, 2014, 40, 15965-15971.	4.8	23
196	Er3+/Yb3+ Co-Activated Silica-Alumina Monolithic Xerogels. Journal of Sol-Gel Science and Technology, 2003, 26, 943-946.	2.4	22
197	Solâ€“gel Eu3+/Tm3+ doped transparent glassâ€“ceramic waveguides. Journal of Non-Crystalline Solids, 2004, 348, 180-184.	3.1	22
198	Conductivity and 19F NMR in PbGeO3â€“PbF2â€“CdF2 glasses and glass-ceramics. Journal of Non-Crystalline Solids, 2005, 351, 766-770.	3.1	22

#	Article	IF	Citations
199	Mechanical, thermal, and barrier properties of methylcellulose/cellulose nanocrystals nanocomposites. Polimeros, 2014, 24, 683-688.	0.7	22
200	Theoretical and experimental spectroscopic studies of the first highly luminescent binuclear hydrocinnamate of Eu(III), Tb(III) and Gd(III) with bidentate 2,2'-bipyridine ligand. Journal of Luminescence, 2014, 148, 307-316.	3.1	22
201	Metallic nanoparticles grown in the core of femtosecond laser micromachined waveguides. Journal of Applied Physics, 2014, 115, 193507.	2.5	22
202	Luminescence properties of Eu-complex formations into ordered mesoporous silica particles obtained by the spray pyrolysis process. Nanotechnology, 2015, 26, 335604.	2.6	22
203	Local Er(iii) environment in luminescent titanosilicates prepared from microporous precursorsElectronic supplementary information (ESI) available: Er LIII-edge k3-weighted EXAFS spectra and Fourier transforms. See http://www.rsc.org/suppdata/jm/b1/b107136j/. Journal of Materials Chemistry, 2002, 12, 1162-1168.	6.7	21
204	Erbium- and ytterbium-doped solâ€"gel SiO2â€"HfO2 crack-free thick films onto silica on silicon substrate. Journal of Non-Crystalline Solids, 2006, 352, 3463-3468.	3.1	21
205	Kinetic parameters for thermal decomposition of microcrystalline, vegetal, and bacterial cellulose. Journal of Thermal Analysis and Calorimetry, 2011, 105, 421-426.	3.6	21
206	Thermal and structural properties of tantalum alkali-phosphate glasses. Journal of Non-Crystalline Solids, 2014, 402, 44-48.	3.1	21
207	Transparent bacterial cellulose nanocomposites used as substrate for organic light-emitting diodes. Journal of Materials Science: Materials in Electronics, 2019, 30, 16718-16723.	2.2	21
208	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 315-319.	2.4	20
209	Visible and near-infrared luminescent Eu3+ or Er3+ doped laponite-derived xerogels and thick films: Structural and spectroscopic properties. Materials Chemistry and Physics, 2009, 113, 71-77.	4.0	20
210	Characterization and Application of Nanostructured Films Containing Au and TiO₂ Nanoparticles Supported in Bacterial Cellulose. Journal of Physical Chemistry C, 2015, 119, 340-349.	3.1	20
211	Visible up-conversion and near-infrared luminescence of Er3+/Yb3+ co-doped SbPO4-GeO2 glasses. Optical Materials, 2016, 57, 71-78.	3.6	20
212	Structural studies on leadâ€"cadmium fluoride solid solutions. Solid State Ionics, 2002, 147, 135-139.	2.7	19
213	Spectroscopic investigation of a new hybrid glass formed by the interaction between croconate ion and calcium polyphosphate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2023-2028.	3.9	19
214	Structure and properties of Ti4+-ureasil organic-inorganic hybrids. Journal of the Brazilian Chemical Society, 2006, 17, 443-452.	0.6	19
215	Polymerization of photocurable commercial dental methacrylate-based composites. Journal of Thermal Analysis and Calorimetry, 2007, 87, 631-634.	3.6	19
216	Waveguides and gratings fabrication in zirconium-based organic/inorganic hybrids. Journal of Sol-Gel Science and Technology, 2008, 48, 80-85.	2.4	19

#	Article	IF	Citations
217	Thermal, Structural, and Crystallization Properties of New Tantalum Alkaliâ€Germanate Glasses. Journal of the American Ceramic Society, 2015, 98, 2086-2093.	3.8	19
218	N-(2-Hydroxy)-propyl-3-trimethylammonium, O-Mysristoyl Chitosan Enhances the Solubility and Intestinal Permeability of Anticancer Curcumin. Pharmaceutics, 2018, 10, 245.	4.5	19
219	Optical properties of ZrO2, SiO2 and TiO2-SiO2 xerogels and coatings doped with Eu3+ and Eu2+. Materials Research, 1999, 2, 11-15.	1.3	18
220	Photoluminescence of bulks and thin films of Eu3+-doped organic/inorganic hybrids. Journal of Alloys and Compounds, 2008, 451, 136-139.	5.5	18
221	Structural, electronic and photoluminescence properties of Eu3+-doped CaYAlO4 obtained by using citric acid complexes as precursors. Optical Materials, 2016, 57, 45-55.	3.6	18
222	Fabrication of Biocompatible, Functional, and Transparent Hybrid Films Based on Silk Fibroin and Epoxy Silane for Biophotonics. ACS Applied Materials & Interfaces, 2017, 9, 27905-27917.	8.0	18
223	Biopolymer-based membranes associated with osteogenic growth peptide for guided bone regeneration. Biomedical Materials (Bristol), 2018, 13, 035009.	3.3	18
224	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 615-620.	2.4	17
225	Tm and Tmâ€“Tb-doped germanate glasses for S-band amplifiers. Journal of Luminescence, 2008, 128, 51-59.	3.1	17
226	Structural studies of AgPO3â€“MoO3 glasses using solid state NMR and vibrational spectroscopies. Journal of Non-Crystalline Solids, 2012, 358, 985-992.	3.1	17
227	Up-conversion mechanisms in Er3+-doped fluoroindate glasses under 1550â€¯nm excitation for enhancing photocurrent of crystalline silicon solar cell. Journal of Luminescence, 2018, 200, 260-264.	3.1	17
228	IR-visible upconversion and thermal effects in Pr3+/Yb3+-codoped Ga2O3:La2S3chalcogenide glasses. Journal of Physics Condensed Matter, 2000, 12, 10003-10010.	1.8	16
229	Scandium fluorophosphate glasses: a structural approach. Comptes Rendus Chimie, 2002, 5, 915-920.	0.5	16
230	Solâ€“gel entrapped cobalt complex. Materials Characterization, 2003, 50, 101-108.	4.4	16
231	Ytterbium-induced energy-transfer upconversion enhancement in Nd3+/Pr3+-codoped PbGeO3â€“PbF2â€“CdF2 glass excited at 810nm. Journal of Luminescence, 2006, 116, 52-58.	3.1	16
232	Spectroscopic studies on glassy Ni(II) and Co(II) polyphosphate coacervates. Materials Chemistry and Physics, 2010, 124, 547-551.	4.0	16
233	Synthesis, structural characterization and photophysical properties of highly photoluminescent crystals of Eu(III), Tb(III) and Dy(III) with 2,5-thiophenedicarboxylate. Optical Materials, 2013, 35, 2357-2365.	3.6	16
234	Eu3+-doped SiO2â€“Gd2O3 prepared by the solâ€“gel process: structural and optical properties. Journal of Sol-Gel Science and Technology, 2015, 76, 260-270.	2.4	16

#	Article	IF	Citations
235	Optimized Synthesis of Silver Nanoparticles by Factorial Design with Application for the Determination of Melamine in Milk. Analytical Letters, 2017, 50, 829-841.	1.8	16
236	Bacterial celluloseâ€“SiO2@TiO2 organicâ€“inorganic hybrid membranes with self-cleaning properties. Journal of Sol-Gel Science and Technology, 2019, 89, 2-11.	2.4	16
237	Spectroscopic characterization of SnO2 gels. Journal of Sol-Gel Science and Technology, 1994, 2, 263-267.	2.4	15
238	Time dependence and energy-transfer mechanisms in Tm3+, Ho3+ and Tm3+â€“Ho3+ co-doped alkali niobium tellurite glasses sensitized by Yb3+. Journal of Non-Crystalline Solids, 2001, 284, 217-222.	3.1	15
239	Spectroscopic properties of Er3+ in oxysulfide glasses. Journal of Alloys and Compounds, 2002, 344, 226-230.	5.5	15
240	Synthesis and Structural Studies of Er3+ Containing Lead Cadmium Fluoroborate Glasses and Glass-Ceramics. Journal of the Brazilian Chemical Society, 2002, 13, 200-206.	0.6	15
241	PreparaÃ§Ã£o de LiNbO3 e LiNbO3:Eu3+ pelo mÃ©todo dos precursores polimÃ©ricos. Quimica Nova, 2002, 25, 1067-1073.	0.3	15
242	Distributed feedback multipeak laser emission in Rhodamine 6G doped organic-inorganic hybrids. Journal of Sol-Gel Science and Technology, 2006, 40, 359-363.	2.4	15
243	Preparation, thermal characterization, and DFT study of the bacterial cellulose. Journal of Thermal Analysis and Calorimetry, 2014, 118, 205-215.	3.6	15
244	Characterization of Thin Carbon Films Produced by the Magnetron Sputtering Technique. Materials Research, 2016, 19, 669-672.	1.3	15
245	Construction of a series of rare earth metal-organic frameworks supported by thiophenedicarboxylate linker: Synthesis, characterization, crystal structures and near-infrared/visible luminescence. Inorganica Chimica Acta, 2016, 451, 41-51.	2.4	15
246	Broadened band C-telecom and intense upconversion emission of Er3+/Yb3+ co-doped CaYAlO4 luminescent material obtained by an easy route. Journal of Luminescence, 2016, 178, 226-233.	3.1	15
247	Silk fibroin-antigenic peptides-YVO 4 :Eu 3+ nanostructured thin films as sensors for hepatitis C. Journal of Luminescence, 2016, 170, 375-379.	3.1	15
248	Low-cost bacterial nanocellulose-based interdigitated biosensor to detect the p53 cancer biomarker. Materials Science and Engineering C, 2022, 134, 112676.	7.3	15
249	Crystallization of ZrF4î—¸LaF3î—¸AlF3 glasses. Journal of Non-Crystalline Solids, 1997, 219, 176-181.	3.1	14
250	Filmes de titÃ¢nio-silÃ¢cio preparados por "spin" e "dip-coating". Quimica Nova, 2003, 26, 674-677.	0.3	14
251	Er³⁺doped phosphoniobate glasses and planar waveguides: structural and optical properties. Journal of Physics Condensed Matter, 2008, 20, 285224.	1.8	14
252	Rare Earth Doped SnO₂ Nanoscaled Powders and Coatings: Enhanced Photoluminescence in Water and Waveguiding Properties. Journal of Nanoscience and Nanotechnology, 2011, 11, 2433-2439.	0.9	14

#	Article	IF	Citations
253	Bifunctional silica nanoparticles for the exploration of biofilms of<i>Pseudomonas aeruginosa</i>. Biofouling, 2013, 29, 775-788.	2.2	14
254	Structural and optical properties of Er3+ doped SiO2â€“Al2O3â€“GeO2 compounds prepared by a simple route. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 194, 21-26.	3.5	14
255	Spherical-shaped Y2O3:Eu3+ nanoparticles with intense photoluminescence emission. Ceramics International, 2015, 41, 1189-1195.	4.8	14
256	Photochromic dynamics of organicâ€“inorganic hybrids supported on transparent and flexible recycled PET. Optical Materials, 2017, 66, 297-301.	3.6	14
257	Structure and crystallization of lanthanum fluorozirconate glasses. Journal of Non-Crystalline Solids, 1996, 197, 8-18.	3.1	13
258	Tm3+ and Tm3+â€“Ho3+ doped fluorogermanate glasses for S-band amplifiers. Journal of Non-Crystalline Solids, 2005, 351, 1743-1746.	3.1	13
259	Laserlike emission from silica inverse opals infiltrated with Rhodamine 6G. Journal of Non-Crystalline Solids, 2005, 351, 1846-1849.	3.1	13
260	Preparation and structural characterization of sodium polyphosphate coacervate as a precursor for optical materials. Materials Chemistry and Physics, 2016, 180, 114-121.	4.0	13
261	Immunosensor for diagnosis of Alzheimer disease using amyloid-Î² 1â€“40 peptide and silk fibroin thin films. Materials Science and Engineering C, 2016, 68, 338-342.	7.3	13
262	Photoluminescence and nonlinear optical phenomena in plasmonic random mediaâ€”A review of recent works. Journal of Luminescence, 2016, 169, 492-496.	3.1	13
263	A new SERS substrate based on niobium lead-pyrophosphate glasses obtained by Ag+/Na+ ion exchange. Sensors and Actuators B: Chemical, 2018, 277, 347-352.	7.8	13
264	Femtosecond direct laser writing of silk fibroin optical waveguides. Journal of Materials Science: Materials in Electronics, 2019, 30, 16843-16848.	2.2	13
265	Development of Conformable Substrates for OLEDs Using Highly Transparent Bacterial Cellulose Modified with Recycled Polystyrene. Advanced Sustainable Systems, 0, , 2000258.	5.3	13
266	Crystallization of fluorindate and fluorogallate glasses. Journal of Non-Crystalline Solids, 1997, 219, 187-191.	3.1	12
267	Effects of self-assembly process of latex spheres on the final topology of macroporous silica. Journal of Colloid and Interface Science, 2005, 291, 448-464.	9.4	12
268	Erbium and ytterbium co-doped SiO2:GeO2 planar waveguide prepared by the solâ€“gel route using an alternative precursor. Journal of Sol-Gel Science and Technology, 2008, 45, 179-185.	2.4	12
269	Structural investigations of tungsten silver phosphate glasses by solid state NMR, vibrational and X-ray absorption near edge spectroscopies. Journal of Non-Crystalline Solids, 2011, 357, 2126-2131.	3.1	12
270	Sleeving nanocelluloses by admicellar polymerization. Journal of Colloid and Interface Science, 2013, 408, 256-258.	9.4	12

#	Article	IF	Citations
271	Synthesis, characterization and evaluation of scintillation properties of Eu3+-doped Gd2O3 obtained using PEG as precursor. Journal of Alloys and Compounds, 2015, 648, 467-473.	5.5	12
272	Effect of lead fluoride incorporation on the structure and luminescence properties of tungsten sodium phosphate glasses. Optical Materials, 2015, 49, 249-254.	3.6	12
273	Multifunctional organicâ€“inorganic hybrids based on cellulose acetate and 3-glycidoxypropyltrimethoxysilane. Journal of Sol-Gel Science and Technology, 2017, 81, 114-126.	2.4	12
274	Luminescent Mesoporous Silica Nanohybrid Based on Drug Derivative Terbium Complex. Materials, 2019, 12, 933.	2.9	12
275	Enhanced photocatalytic activity of silver vanadate nanobelts in concentrated sunlight delivered through optical fiber bundle coupled with solar concentrator. SN Applied Sciences, 2020, 2, 1.	2.9	12
276	Direct Femtosecond Laser Printing of Silk Fibroin Microstructures. ACS Applied Materials & Interfaces, 2020, 12, 50033-50038.	8.0	12
277	Perovskite Quantum Dot Solar Cells: An Overview of the Current Advances and Future Perspectives. Solar Rrl, 2021, 5, 2100205.	5.8	12
278	Molecular dynamics simulations on devitrification: The PbF2 case. Journal of Chemical Physics, 2002, 117, 5366-5372.	3.0	11
279	Glass structure and ion dynamics of leadâ€“cadmium fluorgermanate glasses. Journal of Chemical Physics, 2004, 120, 9638-9647.	3.0	11
280	Photo-induced effects in Ge25Ga10S65 glasses studied by XPS and XAS. Solid State Ionics, 2005, 176, 1403-1409.	2.7	11
281	Facile Synthesis of Tellurium Nanowires and Study of Their Third-Order Nonlinear Optical Properties. Journal of the Brazilian Chemical Society, 2016, , .	0.6	11
282	Structural investigation of nickel polyphosphate coacervate glassâ€“ceramics. RSC Advances, 2016, 6, 91150-91156.	3.6	11
283	Thermal, structural and optical properties of new TeO2Sb2O3GeO2 ternary glasses. Optical Materials, 2016, 62, 95-103.	3.6	11
284	Switchable photoluminescence liquid crystal coated bacterial cellulose films with conductive response. Carbohydrate Polymers, 2016, 143, 188-197.	10.2	11
285	Optical and structural properties of neodymium-doped KPO3-MoO3 glasses. Journal of Non-Crystalline Solids, 2017, 458, 65-68.	3.1	11
286	Luminescent Eu3+ doped Al6Ge2O13 crystalline compounds obtained by the sol gel process for photonics. Optical Materials, 2018, 75, 297-303.	3.6	11
287	Eu(<scp>iii</scp>)-coordination polymer sub-micron fibers: material for selective and sensitive detection of Cu²⁺ions<i>via</i>competition between photoinduced electron transfer and energy transfer. Journal of Materials Chemistry C, 2018, 6, 153-161.	5.5	11
288	A review on polyphosphate coacervatesâ€"structural properties and bioapplications. Journal of Sol-Gel Science and Technology, 2020, 94, 531-543.	2.4	11

#	Article	IF	Citations
289	Self-Supported Smart Bacterial Nanocelluloseâ€"Phosphotungstic Acid Nanocomposites for Photochromic Applications. Frontiers in Materials, 2021, 8, .	2.4	11
290	Characterization of the reversible photoinduced optical changes in Sb-based glasses. Journal of Non-Crystalline Solids, 2006, 352, 3535-3539.	3.1	10
291	Amorphous manganese polyphosphates: preparation, characterization and incorporation of azo dyes. Journal of Sol-Gel Science and Technology, 2009, 50, 158-163.	2.4	10
292	Preparation and bactericidal effect of composites based on crosslinked copolymers containing silver nanoparticles. Polimeros, 2010, 20, 227-230.	0.7	10
293	New biphasic mono-component composite material obtained by partial oxypropylation of bacterial cellulose. Cellulose, 2014, 21, 1361.	4.9	10
294	Bacterial cellulose/triethanolamine based ion-conducting membranes. Cellulose, 2014, 21, 1975.	4.9	10
295	Enhanced photochromic response of ormosilâ€"phosphotungstate nanocomposite coatings doped with TiO2 nanoparticles. Journal of Sol-Gel Science and Technology, 2015, 76, 386-394.	2.4	10
296	Polymerization Rate Modulated by Tetraarylborate Anion Structure: Direct Correlation of Hammett Substituent Constant with Polymerization Kinetics of 2-Hydroxyethyl Methacrylate. Macromolecules, 2018, 51, 7905-7913.	4.8	10
297	Study of the energy transfer process in rare earth-doped silk fibroin for future application in luminescent compounds. Journal of Luminescence, 2019, 205, 423-428.	3.1	10
298	Ultrasound-assisted synthesis of organotin compounds and their application as luminescent dye in silk fibroin scaffolds. Inorganica Chimica Acta, 2020, 505, 119490.	2.4	10
299	Upconversion and infrared emission of Er3+/Yb3+ co-doped SiO2-Gd2O3 obtained by sol-gel process. Processing and Application of Ceramics, 2015, 9, 23-31.	0.8	10
300	Crystal structures and luminescence properties of La3Zr4F25and Î±-LaZr3F15. Journal of Materials Chemistry, 1998, 8, 1043-1050.	6.7	9
301	Differential scanning calorimetry, x-ray diffraction and 19F nuclear magnetic resonance investigations of the crystallization of InF3-based glasses. Journal of Chemical Physics, 1998, 109, 2432-2436.	3.0	9
302	Erbium-activated silica-titania planar waveguides prepared by rf-sputtering. , 2001, , .		9
303	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 375-381.	2.4	9
304	Structural study of thin films prepared from tungstate glass matrix by Raman and X-ray absorption spectroscopy. Applied Surface Science, 2008, 254, 5552-5556.	6.1	9
305	Production of defects in ZBLAN, ZBLAN:Tm3+ and ZBLAN:Cr3+ glasses by ultra-short pulses laser interaction. Journal of Physics and Chemistry of Solids, 2008, 69, 55-59.	4.0	9
306	Er3+-doped germanate glasses for active waveguides prepared by Ag+/K+â†"Na+ ion-exchange. Journal of Non-Crystalline Solids, 2008, 354, 4743-4748.	3.1	9

#	Article	IF	Citations
307	Calcium polyphosphate coacervates: effects of thermal treatment. Journal of Sol-Gel Science and Technology, 2012, 63, 219-223.	2.4	9
308	Structural and optical study of glasses in the TeO2-GeO2-PbF2 ternary system. Journal of Non-Crystalline Solids, 2017, 463, 158-162.	3.1	9
309	Precisely tailored shell thickness and Ln³⁺ content to produce multicolor emission from Nd³⁺-sensitized Gd³⁺-based core/shell/shell UCNPs through bi-directional energy transfer. Nanoscale Advances, 2019, 1, 1936-1947.	4.6	9
310	Prussian blue as a co-catalyst for enhanced Cr(vi) photocatalytic reduction promoted by titania-based nanoparticles and aerogels. New Journal of Chemistry, 0, , .	2.8	9
311	Eu3+Âand Pb2+ÂSpectroscopy in Lead Germanate Glasses. Journal of the Brazilian Chemical Society, 1994, 5, 77-81.	0.6	9
312	Sustainable Smart Tags with Twoâ€Step Verification for Anticounterfeiting Triggered by the Photothermal Response of Upconverting Nanoparticles. Advanced Photonics Research, 2022, 3, .	3.6	9
313	Renewable energy for a green future: Electricity produced from efficient luminescent solar concentrators. Solar Energy Advances, 2022, 2, 100013.	3.0	9
314	Non-isothermal study of the devitrification kinetics of fluoroindate glasses. Journal of Non-Crystalline Solids, 2000, 273, 76-80.	3.1	8
315	Sol-gel erbium-doped silica-hafnia planar and channel waveguides. , 2003, , .		8
316	Analysis of Er3+ incorporation in SnO2 by optical investigation. Brazilian Journal of Physics, 2006, 36, 270-273.	1.4	8
317	Photoinduced effect in Gaâ€“Geâ€“S based thin films. Applied Surface Science, 2006, 252, 8738-8744.	6.1	8
318	Local order around rare earth ions during the devitrification of oxyfluoride glasses. Journal of Chemical Physics, 2008, 128, 244516.	3.0	8
319	Crystallization study of molybdate phosphate glasses by thermal analysis. Journal of Non-Crystalline Solids, 2009, 355, 2279-2284.	3.1	8
320	Enhanced photoluminescence features of Eu3+-modified di-ureasil-zirconium oxocluster organicâ€“inorganic hybrids. Optical Materials, 2010, 32, 1587-1591.	3.6	8
321	Optimization of photo-polymerized solâ€“gel monolithic stationary phases prepared in polyacrylate-coated fused-silica capillaries for capillary electrochromatography. Microchemical Journal, 2012, 100, 21-26.	4.5	8
322	Detection of factor VIII and D-dimer biomarkers for venous thromboembolism diagnosis using electrochemistry immunosensor. Talanta, 2020, 219, 121241.	5.5	8
323	Eu3+ doped polyphosphateâ€“aminosilane organicâ€“inorganic hybrids. Journal of Alloys and Compounds, 2004, 374, 74-78.	5.5	7
324	Preparation and characterization of erbium and ytterbium co-doped solâ€“gel SiO2:HfO2 films for planar waveguides. Optical Materials, 2007, 30, 600-607.	3.6	7

#	Article	IF	Citations
325	Preparation and Characterization of New Glassy System As2P2S8â^'Ga2S3. Journal of Physical Chemistry B, 2008, 112, 4943-4947.	2.6	7
326	Enhanced Eu³⁺ Emission in Aqueous Phosphotungstate Colloidal Systems: Stabilization of Polyoxometalate Nanostructures. Langmuir, 2010, 26, 14170-14176.	3.5	7
327	Bacterial Cellulose as a Template for Preparation of Hydrotalcite-Like Compounds. Journal of the Brazilian Chemical Society, 2014, , .	0.6	7
328	CELLULOSE NANOCRYSTALS FROM BACTERIAL CELLULOSE. Quimica Nova, 2015, , .	0.3	7
329	Structural properties and visible emission of Eu3+-activated SiO2â€"ZnOâ€"TiO2 powders prepared by a soft chemical process. Optical Materials, 2016, 62, 438-446.	3.6	7
330	Ion-Pair Complexes of Pyrylium and Tetraarylborate as New Hostâ€"Guest Dyes: Photoinduced Electron Transfer Promoting Radical Polymerization. Journal of Physical Chemistry A, 2019, 123, 7374-7383.	2.5	7
331	Formation and optical properties of new glasses within Sb2O3â€"WO3â€"ZnO ternary system. Journal of Materials Science: Materials in Electronics, 2019, 30, 16798-16805.	2.2	7
332	Effect of silica coating on the catalytic activity of maghemite nanoparticles impregnated into mesoporous silica matrix. Materials Chemistry and Physics, 2019, 225, 145-152.	4.0	7
333	Thin films prepared from tungstate glass matrix. Applied Surface Science, 2008, 254, 2085-2089.	6.1	6
334	Crystallization study of the (1â^'x)Sb2O3â€"(x)SbPO4 glass system. Materials Chemistry and Physics, 2008, 112, 1069-1073.	4.0	6
335	External polyacrylate-coating as alternative material for preparation of photopolymerized solâ€"gel monolithic column. Talanta, 2008, 76, 226-229.	5.5	6
336	COMPARATIVE ANALYSIS BETWEEN EXPERIMENTAL CHARACTERIZATION RESULTS AND NUMERICAL FDTD MODELING OF SELF-ASSEMBLED PHOTONIC CRYSTALS. Progress in Electromagnetics Research B, 2010, 23, 329-342.	1.0	6
337	Refractive index changes in photochromic SbPO4â€"WO3 glass by exposure to band-gap radiation. Journal of Non-Crystalline Solids, 2010, 356, 2360-2362.	3.1	6
338	Luminescence Enhancement of Carboxyl-Coated CdTe Quantum Dots by Silver Nanoparticles. Plasmonics, 2013, 8, 1147-1153.	3.4	6
339	Structure, characterization and near-infrared emission of a novel 6-connected uninodal 3D network of Nd(III) containing 2,5-thiophenedicarboxylate anion. Inorganic Chemistry Communication, 2013, 37, 66-70.	3.9	6
340	Infrared to Visible Up-conversion in Biocelluloseâ€"yttrium Vanadate Nanoparticle Composite Membranes. Demonstration of Chloroaluminum Phthalocyanine Light Emission Under Up-converted Light Excitation. Colloids and Interface Science Communications, 2014, 2, 6-10.	4.1	6
341	Photoluminescent and structural properties of ZnO containing Eu3+ using PEG as precursor. Journal of Luminescence, 2015, 167, 197-203.	3.1	6
342	PWA-diureasils organicâ€"inorganic hybrids. Photochromism and effect of the organic chain length. Optical Materials, 2015, 46, 64-69.	3.6	6

#	Article	IF	Citations
343	Multifunctional EuYVO 4 nanoparticles coated with mesoporous silica. Journal of Luminescence, 2016, 179, 197-202.	3.1	6
344	Luminescent multifunctional hybrids obtained by grafting of ruthenium complexes on mesoporous silica. Materials Letters, 2016, 174, 1-5.	2.6	6
345	Photoluminescence of Ag+ and Agn+m in co-doped Pr3+/Yb3+ fluorophosphate glasses: tuning visible emission and energy transfer to Pr3+/Yb3+ ions through excitation in different silver species. Journal of Materials Science: Materials in Electronics, 2019, 30, 16878-16885.	2.2	6
346	PDMS-urethanesil hybrid multifunctional materials: combining CO2 use and solâ€"gel processing. Journal of Sol-Gel Science and Technology, 2020, 95, 693-709.	2.4	6
347	NMR Structural Study on the Asâ^'Pâ^'S Glassy System. Chemistry of Materials, 2007, 19, 5493-5498.	6.7	5
348	Luminescent nano-composites generated from a spray. Journal of Non-Crystalline Solids, 2008, 354, 4860-4864.	3.1	5
349	MÃ¶ssbauer spectroscopy study of iron oxide nanoparticles obtained by spray pyrolysis. Hyperfine Interactions, 2009, 189, 159-166.	0.5	5
350	Luminescent multifunctional biocellulose membranes. Proceedings of SPIE, 2011, , .	0.8	5
351	Zirconium-methacrylate oxoclusters as new hybrid materials for the modification of epoxy systems. Journal of Materials Science, 2015, 50, 2903-2913.	3.7	5
352	Bacterial Cellulose Membranes as a Potential Drug Delivery System for Photodynamic Therapy of Skin Cancer. Journal of the Brazilian Chemical Society, 2016, , .	0.6	5
353	Development of coverage and its evaluation in the treatment of chronic wounds. Investigacion Y Educacion En Enfermeria, 2017, 35, 330-339.	0.8	5
354	Direct Femtosecond Laser Printing of PPV on Bacterial Celluloseâ€Based Paper for Flexible Organic Devices. Macromolecular Materials and Engineering, 2018, 303, 1800265.	3.6	5
355	Embedding CoPt magnetic nanoparticles within a phosphate glass matrix. Journal of Alloys and Compounds, 2020, 848, 156576.	5.5	5
356	Structural studies in lead fluorogermanate and fluorosilicate glasses. Journal of Alloys and Compounds, 1992, 180, 117-124.	5.5	4
357	Spectroscopic studies of the Eu3+ and Er3+ ions in the fluorozirconate LaZr2F11 matrix. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2000, 56, 475-483.	3.9	4
358	Local order around of germanium atoms in Ga10Ge25S65 glass by EXAFS. Journal of Non-Crystalline Solids, 2002, 304, 160-166.	3.1	4
359	Energy-transfer frequency upconversion in neodymium-sensitized praseodymium-doped PbGeO3â€"PbF2â€"CdF2 glass excited at 810nm. Journal of Alloys and Compounds, 2005, 394, 24-27.	5.5	4
360	Optical properties and energy-transfer frequency upconversion of Yb3+-sensitized Ho3+- and Tb3+-doped lead-cadmium-germanate glass and glass ceramic. , 2006, 6116, 145.		4

#	Article	IF	Citations
361	Nanocomposites materials generated from a spray. Brazilian Journal of Physics, 2009, 39, 176-181.	1.4	4
362	Photoexpansion and photobleaching effects in oxysulfide thin films of the GeS2+Ga2O3 system. Physica B: Condensed Matter, 2011, 406, 4381-4386.	2.7	4
363	Laser irradiation and thermal treatment inducing selective crystallization in Sb2O3â€“Sb2S3 glassy films. Physica B: Condensed Matter, 2015, 458, 67-72.	2.7	4
364	New organic-inorganic hybrid composites based on cellulose nanofibers and modified Laponite. Advanced Optical Technologies, 2018, 7, 327-334.	1.7	4
365	Modification of Bacterial Cellulose Membrane with 1,4-Bis(triethoxysilyl)benzene: A Thorough Physicalâ€“Chemical Characterization Study. Journal of Physical Chemistry C, 2021, 125, 4498-4508.	3.1	4
366	Role of nanostructure in the behaviour of BiVO4â€“TiO2 nanotube photoanodes for solar water splitting in relation to operational conditions. Solar Energy Materials and Solar Cells, 2021, 223, 110980.	6.2	4
367	Fabrication of Noncytotoxic Functional Siloxane-Coated Bacterial Cellulose Nanocrystals. ACS Applied Polymer Materials, 2022, 4, 2306-2313.	4.4	4
368	Structure of Redispersible SnO2 Nanoparticles. Journal of Sol-Gel Science and Technology, 2003, 28, 45-50.	2.4	3
369	Molecular dynamics simulation on devitrification: Isothermal devitrification and thermodynamics of PbF2 glasses. Journal of Chemical Physics, 2004, 121, 7413-7420.	3.0	3
370	Photo-induced transformations in chalcogenide composite layers. Journal of Non-Crystalline Solids, 2004, 348, 144-148.	3.1	3
371	Two-dimensional photonic crystals in antimony-based films fabricated by holography. Journal of Applied Physics, 2008, 103, 106101.	2.5	3
372	Glasses on the Nanoscale. , 2013, , 665-692.		3
373	Tailoring the Structure and Luminescence of Nanostructured Er³⁺ and Er³⁺/Yb³⁺â€Activated Hafniaâ€Based Systems. Journal of the American Ceramic Society, 2015, 98, 3136-3144.	3.8	3
374	Simple and cost-effective method to obtain RE3+-doped Al2O3 for possible photonic applications. Ceramics International, 2015, 41, 10406-10414.	4.8	3
375	Third-order nonlinearities and other properties of molybdenum lead-pyrophosphate glass. Optical Materials, 2015, 42, 298-302.	3.6	3
376	Whiteâ€Light and Yellow/Blue Photoluminescence Emission Based on Dy³⁺â€Doped SiO₂â€“Gd₂O₃ Composites. Journal of the American Ceramic Society, 2016, 99, 3025-3032.	3.8	3
377	Bifunctional Magnetic Luminescent Particles Based on Iron Oxide Nanoparticles Grafted with a Europium Silylated Bypiridine Tris(Î²â€diketonate) Complex. ChemistrySelect, 2016, 1, 5923-5928.	1.5	3
378	NIR luminescence from erbium doped (100âˆ' x)SiO 2 : x ZnO powders obtained by soft chemical synthesis. Journal of Luminescence, 2016, 170, 663-670.	3.1	3

#	Article	IF	Citations
379	Low energy X-ray grating interferometry at the Brazilian Synchrotron. Optics Communications, 2017, 393, 195-198.	2.1	3
380	Cellulose Based Photonic Materials Displaying Direction Modulated Photoluminescence. Frontiers in Bioengineering and Biotechnology, 2021, 9, 617328.	4.1	3
381	ConstruÃ§Ã£o de cÃ¢mara de luz ultravioleta para fotopolimerizaÃ§Ã£o de fases estacionÃ¡rias monolÃticas. Quimica Nova, 2008, 31, 2156-2158.	0.3	3
382	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
383	A UV-visible-NIR active smart photocatalytic system based on NaYbF₄:Tm³⁺ upconverting particles and Ag₃PO₄/H₂O₂ for photocatalytic processes under light on/light off conditions. Materials Advances, 2022, 3, 2706-2715.	5.4	3
384	Absorption and emission spectroscopic parameters of Nd3+ and Eu3+ ions in their hexamethylphosphoramide complexes. Inorganica Chimica Acta, 1991, 179, 67-72.	2.4	2
385	Inorganic nanoparticles in organic-inorganic hybrid hosts for planar waveguides. , 2002, , .		2
386	Photoinduced effects in Asï£¿Sï£¿P glasses. Physica Status Solidi (B): Basic Research, 2009, 246, 1866-1870.	1.5	2
387	Photoexpansion and photorefraction in oxysulphide glasses. Solid State Ionics, 2009, 180, 1491-1496.	2.7	2
388	Magnetic Resonance and Conductivity Study of Leadâ€"Cadmium Fluorosilicate Glasses and Glass-Ceramics. Journal of Physical Chemistry C, 2018, 122, 6288-6297.	3.1	2
389	Bacterial cellulose growth on 3D acrylate-based microstructures fabricated by two-photon polymerization. JPhys Photonics, 2021, 3, 024003.	4.6	2
390	Monolayer of silica nanospheres assembled onto ITO-coated glass substrates by spin-coating. Nanotechnology, 2021, 32, 205603.	2.6	2
391	InfluÃªncia do pH na estabilidade dos coacervatos de prata como precursores vÃtreos. Ecletica Quimica, 2002, 27, 305-314.	0.5	2
392	Rare earth doped synthetic opals and inverse opals. , 2002, 4804, 121.		1
393	Erbium-activate HfO 2 -based waveguides for photonics. , 2003, 4829, 89.		1
394	Effects in the population inversion of3H 4 level in Tm, Tm-Tb and Tm-Eu doped germanate glasses for amplifiers applications. , 2006, , .		1
395	Waveguide features in self-patternable amine functionalized organic- inorganic hybrids. , 2007, , .		1
396	Rhodamine 6G Encapsuled Mesoporous Silica Channels. Advances in Science and Technology, 2008, 55, 62-67.	0.2	1

#	Article	IF	Citations
397	Eletrodo de pasta de carbono em minicavidade de contato sÃ³lido. Ecletica Quimica, 2011, 36, 183-204.	0.5	1
398	Organicâ€“inorganic hybrids prepared by carboxylic acid solvolysis: Planar waveguides. Optical Materials, 2012, 34, 910-914.	3.6	1
399	Role of the reactive atmosphere during the solâ€“gel synthesis on the enhancing of the emission quantum yield of urea cross-linked tripodal siloxane-based hybrids. Journal of Sol-Gel Science and Technology, 2013, 70, 227.	2.4	1
400	Biopolymer Random Laser Consisting of Rhodamine 6G and Silica Nanoparticles Incorporated to Bacterial Cellulose. , 2012, , .		1
401	Photoluminescence and Structural Analysis of Er3+/Yb3+/Tm3+ Triply Doped Gd2O3. Revista Virtual De Quimica, 2017, 9, 2257-2271.	0.4	1
402	NIR Luminescence from Sol-Gel Er3+Doped SiO2:GeO2Transparent Gels, Nanostructured Powders and Thin Films for Photonic Applications. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
403	New Flexible and Transparent Solution-Based Germanium-Sulfide Polymeric Materials. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
404	New glasses in the system InF 3 -BaF 2 -ErPO 4. , 1998, , .		0
405	Glasses containing lutetium fluoride. , 1998, , .		0
406	Viscosity of fluoroindate glasses. , 1998, , .		0
407	Transparent Er3+-activated lead fluorogermanate glass ceramics. , 2003, , .		0
408	Optical limiting behavior of tungstate fluorophosphate glasses. , 2003, 4829, 107.		0
409	Red, green, and blue upconversion luminescence in ytterbium-sensitized praseodymium-doped lead-cadmium-germanate glass. , 2004, , .		0
410	Infrared-to-visible frequency upconversion in transparent glass ceramics containing trivalent-rare-earth-doped nanocrystals. , 2004, 5350, 132.		0
411	Efficient UV-visible upconversion luminescence and thermal effects in terbium-ytterbium codoped fluorogermanate vitroceramic. Proceedings of SPIE, 2008, , .	0.8	0
412	Frequency upconversion in Er3+ and Yb3+-doped zirconia and hafnia nanocrystals excited at 980 nm in the continuous-wave regime. , 2009, , .		0
413	MÃ¶ssbauer spectroscopy study of iron oxide nanoparticles obtained by spray pyrolysis. , 2009, , 159-166.		0
414	Efficient Distributed Feedback Dye Laser in Silk Fibroin Films. , 2012, , .		0

#	Article	IF	Citations
415	Near Infrared Emission at 1000 nm from Nanostructured Pr3+/Yb3+Co-doped SiO2-Nb2O5for Solar Cell Application. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
416	Bifunctional silica nanoparticles for the exploration of Pseudomonas aeruginosa biofilm. , 2016, , .		0
417	Concentration dependence of the infrared photoluminescence of Pr3+in fluoroindate glasses. , 2016, , .		0
418	Photonic materials displaying direction modulated photoluminescence. , 2019, , .		0
419	Biopolymer-Metal Composites. , 2019, , 261-301.		0
420	Donald R. Ulrich Award 2019. Journal of Sol-Gel Science and Technology, 2020, 95, 503-503.	2.4	0
421	Shedding Light on Chemistry. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
422	Luminescent Terbium Doped Aluminate Particles: Properties and Surface Modification with Asparagine. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
423	GLASSY MATERIALS AND LIGHT: PART 1. Quimica Nova, 2016, , .	0.3	0
424	GLASSY MATERIALS AND LIGHT: PART 2. Quimica Nova, 2016, , .	0.3	0