RogÃ©ria R GonÃ§alves

List of Publications by Year
in descending order

141 papers	2,659 citations	185998 28 h-index	243296 44 g-index
143 all docs	143 docs citations	143 times ranked	2338 citing authors

#	Article	IF	Citations
1	In vitro assays and nanothermometry studies of infrared-to-visible upconversion of nanocrystalline Er3+,Yb3+ co-doped Y2O3 nanoparticles for theranostic applications. Physica B: Condensed Matter, 2022, 624, 413447.	1.3	11
2	Yb3+ influence on NIR emission from Pr3+-doped spherical yttria nanoparticles for advances in NIR I and NIR II biological windows. Journal of Luminescence, 2022, 241, 118485.	1.5	9
3	Primary thermometers based on solâ€“gel upconverting Er3+/Yb3+ co-doped yttrium tantalates with high upconversion quantum yield and emission color tunability. Journal of Sol-Gel Science and Technology, 2022, 102, 249-263.	1.1	11
4	Wide multicolor tunability of blue-to-green up-conversion emission and white light generation in Pr3+/Yb3+ co-doped yttrium tantalates. Journal of Luminescence, 2022, 245, 118761.	1.5	6
5	Photoluminescence properties of Er³⁺ and Er³⁺/Yb³⁺ doped tellurite glass and glass-ceramics containing Bi₂Te₄O₁₁ crystals. Dalton Transactions, 2022, 51, 4087-4096.	1.6	5
6	Influence of lanthanide (Gd, Tb or Ce) and silver doping on the luminescence lifetimes of calcium borate investigated by pulsed optically stimulated luminescence. Journal of Luminescence, 2022, 248, 118809.	1.5	2
7	Luminescent thermometry based on Er3+/Yb3+ co-doped yttrium niobate with high NIR emission and NIR-to-visible upconversion quantum yields. Journal of Luminescence, 2022, 248, 118986.	1.5	11
8	Modulating white light emission temperature in Ho3+/Yb3+/Tm3+ triply doped nanostructured GeO2-Nb2O5 materials for WLEDs applications. Journal of Luminescence, 2022, 248, 118978.	1.5	5
9	Phase-sensitive radioluminescence and photoluminescence features in Tm³⁺-doped yttrium tantalates for cyan and white light generation. Dalton Transactions, 2022, 51, 11108-11124.	1.6	2
10	Fluorescence Intensity Ratioâ€based temperature sensor with single Nd 3 + :Y 2 O 3 nanoparticles: Experiment and theoretical modeling. Nano Select, 2021, 2, 346-356.	1.9	8
11	Highly red luminescent Nb2O5:Eu3+ nanoparticles in silicate host for solid-state lighting and energy conversion. Optical Materials, 2021, 111, 110671.	1.7	7
12	Refractive Indexes and Spectroscopic Properties to Design Er³⁺-Doped SiO₂â€“Ta₂O₅ Films as Multifunctional Planar Waveguide Platforms for Optical Sensors and Amplifiers. ACS Omega, 2021, 6, 8784-8796.	1.6	10
13	Single Er³⁺/Yb³⁺-Codoped Yttria Nanocrystals for Temperature Sensing: Experimental Characterization and Theoretical Modeling. Journal of Physical Chemistry C, 2021, 125, 14807-14817.	1.5	12
14	Single Er3+, Yb3+: KGd3F10 Nanoparticles for Nanothermometry. Frontiers in Chemistry, 2021, 9, 712659.	1.8	6
15	Magnetic and Highly Luminescent Heterostructures of Gd3+/ZnO Conjugated to GCIS/ZnS Quantum Dots for Multimodal Imaging. Nanomaterials, 2021, 11, 1817.	1.9	1
16	Highly colloidal luminescent Er3+, Yb3+-codoped KY3F10 nanoparticles for theranostic applications. Materials Today Communications, 2021, 28, 102553.	0.9	3
17	Simultaneous excitation at IR and UV of RE3+ triply doped SiO2-Gd2O3 materials for energy conversion purposes. Ceramics International, 2021, 47, 35187-35200.	2.3	2
18	Niobium oxide influence in the phosphate glasses triply doped with Er3+/Yb3+/Eu3+ prepared by the melting process. Journal of Non-Crystalline Solids, 2021, 571, 121051.	1.5	2

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19	Multicolor tunable and NIR broadband emission from rare-earth-codoped tantalum germanate glasses and nanostructured glass-ceramics. Journal of Luminescence, 2021, 239, 118357.	1.5	8
20	Crystallization of bronze-like perovskite in potassium tantalum germanate glasses: Glass ceramic preparation and its optical properties. Optical Materials, 2021, 122, 111803.	1.7	3
21	Cold white light emission in tellurite-zinc glasses doped with Er3+â€“Yb3+â€“Tm3+ under 980Ânm. Journal of Luminescence, 2020, 228, 117538.	1.5	14
22	High-Quantum-Yield Upconverting Er³⁺/Yb³⁺-Organicâ€“Inorganic Hybrid Dual Coatings for Real-Time Temperature Sensing and Photothermal Conversion. Journal of Physical Chemistry C, 2020, 124, 19892-19903.	1.5	32
23	High Eu³⁺ concentration quenching in Y₃TaO₇ solid solution for orange-reddish emission in photonics. RSC Advances, 2020, 10, 16917-16927.	1.7	9
24	Photoluminescence properties of the material based on SiO2â€“Y2O3:Eu3+,Tb3+ under different in situ temperature prepared by the sol-gel process. Journal of Luminescence, 2020, 222, 117109.	1.5	13
25	Dipole-dipole energy transfer mechanism to the blue-white-red color-tunable emission presented by CaYAlO4:Tb3+,Eu3+ biocompatibility material obtained by the simple and low cost of chemical route. Materials Chemistry and Physics, 2020, 247, 122855.	2.0	6
26	Studying the catecholamine effect on the electronic delocalization of the paramagnetic [Ru(NH3)4(catecholamine)]+ complex through 1H-NMR, theoretical calculations, and resonance Raman. Journal of Coordination Chemistry, 2020, 73, 191-205.	0.8	0
27	A Dual Ligand Solâ€“Gel Organic-Silica Hybrid Monolithic Capillary for In-Tube SPME-MS/MS to Determine Amino Acids in Plasma Samples. Molecules, 2019, 24, 1658.	1.7	19
28	Er3+-doped niobium alkali germanate glasses and glass-ceramics: NIR and visible luminescence properties. Journal of Non-Crystalline Solids, 2019, 521, 119492.	1.5	23
29	Rare-earth ion doped niobium germanate glasses and glass-ceramics for optical device applications. Journal of Luminescence, 2019, 213, 224-234.	1.5	22
30	Thermal and spectroscopic properties studies of Er3+-doped and Er3+/Yb3+-codoped niobium germanate glasses for optical applications. Journal of Luminescence, 2019, 205, 487-494.	1.5	29
31	Luminescent Eu3+ doped Al6Ge2O13 crystalline compounds obtained by the sol gel process for photonics. Optical Materials, 2018, 75, 297-303.	1.7	11
32	Yttrium tantalate containing high concentrations of Eu3+ as dopant: Synthesis and structural and luminescence features. Journal of Luminescence, 2018, 199, 143-153.	1.5	24
33	Yb3+ concentration influences UVâ€“Vis to NIR energy conversion in nanostructured Pr3+ and Yb3+ co-doped SiO2-Nb2O5 materials for photonics. Journal of Luminescence, 2018, 199, 454-460.	1.5	7
34	Broadband NIR emission from rare earth doped-SiO2-Nb2O5 and SiO2-Ta2O5 nanocomposites. Journal of Luminescence, 2018, 199, 138-142.	1.5	13
35	High niobium oxide content in germanate glasses: Thermal, structural, and optical properties. Journal of the American Ceramic Society, 2018, 101, 220-230.	1.9	29
36	Multifunctional possible application of the Er3+/Yb3+-coped Al2O3 prepared by recyclable precursor (aluminum can) and also by sol-gel process. Optical Materials, 2018, 84, 504-513.	1.7	4

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37	Alkali metal tantalum germanate glasses and glass-ceramics formation. Journal of Non-Crystalline Solids, 2018, 499, 401-407.	1.5	10
38	The influence of Nb 2 O 5 crystallization on the infrared-to-visible upconversion in Er 3+ /Yb 3+ co-doped SiO 2 -Nb 2 O 5 nanocomposites. Journal of Luminescence, 2017, 188, 295-300.	1.5	8
39	Structural and optical study of glasses in the TeO2-GeO2-PbF2 ternary system. Journal of Non-Crystalline Solids, 2017, 463, 158-162.	1.5	9
40	Continuous wave near-infrared phonon-assisted upconversion in single Nd3+-doped yttria nanoparticles. Journal of Luminescence, 2017, 192, 963-968.	1.5	13
41	Glass-based 1-D dielectric microcavities. Optical Materials, 2016, 61, 11-14.	1.7	5
42	Niobium oxide influence on the structural properties and NIR luminescence of Er3+/Yb3+ co-doped and single-doped 1âˆ’xSiO2âˆ’xNb2O5 nanocomposites prepared by an alternative solâ€“gel route. Journal of Luminescence, 2016, 180, 355-363.	1.5	8
43	Thermal, structural and optical properties of new TeO2Sb2O3GeO2 ternary glasses. Optical Materials, 2016, 62, 95-103.	1.7	11
44	Structural properties and visible emission of Eu3+-activated SiO2â€“ZnOâ€“TiO2 powders prepared by a soft chemical process. Optical Materials, 2016, 62, 438-446.	1.7	7
45	Blue and NIR emission from nanostructured Tm3+/â€‰â€‰Yb3+co-doped SiO2â€“Ta2O5for photonic applications. Journal Physics D: Applied Physics, 2016, 49, 175107.	1.3	7
46	Luminescence and structural analysis of Ce³⁺ and Er³⁺ doped and Ce³⁺â€“Er³⁺ codoped Ca₃Sc₂Si₃O₁₂ garnets: influence of the doping concentration in the energy transfer processes. RSC Advances, 2016, 6, 15054-15061.	1.7	11
47	Graphene oxide and titanium: synergistic effects on the biomineralization ability of osteoblast cultures. Journal of Materials Science: Materials in Medicine, 2016, 27, 71.	1.7	25
48	Multi and single walled carbon nanotubes: effects on cell responses and biomineralization of osteoblasts cultures. Journal of Materials Science: Materials in Medicine, 2016, 27, 62.	1.7	19
49	Structural and optical investigations of Eu 3+ -doped TiO 2 nanopowders. Ceramics International, 2016, 42, 6914-6923.	2.3	18
50	Determination of the Eu 3+ ion local structure in oxide and fluoride crystals. Journal of Luminescence, 2016, 170, 556-559.	1.5	5
51	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.	1.5	24
52	NIR luminescence from erbium doped (100âˆ’ x)SiO 2 : x ZnO powders obtained by soft chemical synthesis. Journal of Luminescence, 2016, 170, 663-670.	1.5	3
53	Nanostructured rare earth doped Nb 2 O 5 : Structural, optical properties and their correlation with photonic applications. Journal of Luminescence, 2016, 170, 707-717.	1.5	36
54	Broad and intense NIR luminescence from rare earth doped SiO2â€“Nb2O5 glass and glass ceramic prepared by a new sol gel route. Journal of Luminescence, 2016, 171, 63-71.	1.5	17

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55	GLASSY MATERIALS AND LIGHT: PART 1. Quimica Nova, 2016, , .	0.3	0
56	GLASSY MATERIALS AND LIGHT: PART 2. Quimica Nova, 2016, , .	0.3	0
57	Thermal, Structural, and Crystallization Properties of New Tantalum Alkaliâ€Germanate Glasses. Journal of the American Ceramic Society, 2015, 98, 2086-2093.	1.9	19
58	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.	1.9	3
59	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
60	Synthesis and spectroscopic properties of luminescent tantalum(v)-Î²-diketonate complexes and their use as optical sensors and the preparation of nanostructured Ta2O5. Dalton Transactions, 2015, 44, 3829-3836.	1.6	11
61	Photonic glass-ceramics: consolidated outcomes and prospects. , 2015, , .		4
62	Influence of defects on sub-Ã… optical linewidths in Eu3+: Y2O3 particles. Journal of Luminescence, 2015, 168, 276-282.	1.5	25
63	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.	1.7	14
64	Photoluminescent and structural properties of ZnO containing Eu3+ using PEG as precursor. Journal of Luminescence, 2015, 167, 197-203.	1.5	6
65	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.	1.5	29
66	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.	1.1	16
67	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1
68	Spherical-shaped Y2O3:Eu3+ nanoparticles with intense photoluminescence emission. Ceramics International, 2015, 41, 1189-1195.	2.3	14
69	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
70	Glass-based confined structures enabling light control. AIP Conference Proceedings, 2015, , .	0.3	0
71	Red photonic glasses and confined structures. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 647-653.	0.8	0
72	Sol-Gel-Derived Erbium-Activated Silica-Titania and Silica-Hafnia Planar Waveguides for 1.5ÂÂµm Application in C Band of Telecommunication. Spectroscopy Letters, 2014, 47, 381-386.	0.5	6

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73	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.	2.0	37
74	Narrow Optical Homogeneous Linewidths in Rare Earth Doped Nanocrystals. Physical Review Letters, 2013, 111, 203601.	2.9	44
75	Broadband NIR emission in novel solâ€"gel Er3+-doped SiO2â€"Nb2O5 glass ceramic planar waveguides for photonic applications. Optical Materials, 2013, 35, 387-396.	1.7	52
76	Film based on Y2O3:Eu3+ (5mol% of Eu3+) for flat panel display. Thin Solid Films, 2012, 524, 299-303.	0.8	20
77	Color tunability of intense upconversion emission from Er3+â€"Yb3+ co-doped SiO2â€"Ta2O5 glass ceramic planar waveguides. Journal of Materials Chemistry, 2012, 22, 9901.	6.7	45
78	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.	2.0	32
79	Structural and Spectroscopic Properties of Luminescent Er3+-Doped SiO2-Ta2O5 Nanocomposites. Journal of the American Ceramic Society, 2011, 94, 1230-1237.	1.9	45
80	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
81	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
82	Luminescence in Colorless, Transparent, Thermally Stable Thin Films of Eu3+ and Tb3+ Î²-diketonates in Hybrid Inorganicâ€"Organic Zinc-based Solâ€"Gel Matrix. Journal of Fluorescence, 2010, 20, 739-743.	1.3	12
83	Sol-gel preparation of near-infrared broadband emitting Er3+-doped SiO2-Ta2O5 nanocomposite films. Thin Solid Films, 2010, 519, 1319-1324.	0.8	34
84	Upconversion luminescence in Er3+ doped and Er3+/Yb3+ codoped zirconia and hafnia nanocrystals excited at 980 nm. Journal of Applied Physics, 2010, 107, .	1.1	41
85	Generation of wide color gamut visible light in NIR-excited thulium-holmium-ytterbium codoped tantalum oxide nanopowders. , 2010, , .		3
86	Generation of wide color gamut visible light in rare-earth triply doped tantalum oxide crystalline ceramic powders. Journal of Applied Physics, 2010, 107, .	1.1	34
87	Enhanced Eu³⁺ Emission in Aqueous Phosphotungstate Colloidal Systems: Stabilization of Polyoxometalate Nanostructures. Langmuir, 2010, 26, 14170-14176.	1.6	7
88	Frequency upconversion in Er3+ and Yb3+-doped zirconia and hafnia nanocrystals excited at 980 nm in the continuous-wave regime. , 2009, , .		0
89	Er3+-activated photonic structures fabricated by sol-gel and rf-sputtering techniques. , 2009, , .		2
90	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.	2.0	20

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91	Amorphous manganese polyphosphates: preparation, characterization and incorporation of azo dyes. Journal of Sol-Gel Science and Technology, 2009, 50, 158-163.	1.1	10
92	Er3+-doped silicaâ€“hafnia films for optical waveguides and spherical resonators. Journal of Non-Crystalline Solids, 2009, 355, 1853-1860.	1.5	29
93	Platinum nanoparticles embedded in layer-by-layer films from SnO2/polyallylamine for ethanol electrooxidation. Journal of Power Sources, 2008, 185, 6-12.	4.0	7
94	Erbium-activated silicaâ€“zirconia planar waveguides prepared by solâ€“gel route. Thin Solid Films, 2008, 516, 3094-3097.	0.8	32
95	Surface modification of metals by calcium carbonate thin films on a layer-by-layer polyelectrolyte matrix. Thin Solid Films, 2008, 516, 3256-3262.	0.8	28
96	Er3+-doped germanate glasses for active waveguides prepared by Ag+/K+â†”Na+ ion-exchange. Journal of Non-Crystalline Solids, 2008, 354, 4743-4748.	1.5	9
97	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.	1.5	51
98	Erbium-Activated Silica-Hafnia: a Reliable Photonic System. , 2008, , .		2
99	A Technique to Produce Thin Cucurbit[6]uril Films. Journal of Nanoscience and Nanotechnology, 2008, 8, 432-435.	0.9	10
100	Er³⁺doped phosphoniobate glasses and planar waveguides: structural and optical properties. Journal of Physics Condensed Matter, 2008, 20, 285224.	0.7	14
101	Evaluation of local field effect on theI13âˆ•24lifetimes in Er-doped silica-hafnia planar waveguides. Physical Review B, 2007, 75, .	1.1	28
102	Low wavenumber Raman scattering of nanoparticles and nanocomposite materials. Journal of Raman Spectroscopy, 2007, 38, 647-659.	1.2	73
103	Preparation and characterization of erbium and ytterbium co-doped solâ€“gel SiO2:HfO2 films for planar waveguides. Optical Materials, 2007, 30, 600-607.	1.7	7
104	Europium ion as a probe for binding sites to carrageenans. Journal of Luminescence, 2007, 127, 461-468.	1.5	8
105	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.	1.5	21
106	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.	1.5	28
107	Structure and properties of Ti4+-ureasil organic-inorganic hybrids. Journal of the Brazilian Chemical Society, 2006, 17, 443-452.	0.6	19
108	Er3+/Yb3+activated silica-hafnia planar waveguides for photonics fabricated by rf-sputtering. , 2006, 6183, 173.		1

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109	Distributed feedback multipeak laser emission in Rhodamine 6G doped organic-inorganic hybrids. Journal of Sol-Gel Science and Technology, 2006, 40, 359-363.	1.1	15
110	Novel Er-doped SiC/SiO2 nanocomposites: Synthesis via polymer pyrolysis and their optical characterization. Journal of the European Ceramic Society, 2005, 25, 277-281.	2.8	11
111	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
112	Photoluminescence-structure relationships in ormosils for integrated optical devices. Materials Research Society Symposia Proceedings, 2004, 847, 79.	0.1	1
113	Erbium-activated HfO2-based waveguides for photonics. Optical Materials, 2004, 25, 131-139.	1.7	116
114	Nucleation and Crystallization of Titania Nanoparticles in Silica Titania Planar Waveguides: a Study by Low Frequency Raman Scattering. Materials Science Forum, 2004, 455-456, 520-526.	0.3	3
115	Eu3+ doped polyphosphateâ€“aminosilane organicâ€“inorganic hybrids. Journal of Alloys and Compounds, 2004, 374, 74-78.	2.8	7
116	Solâ€“gel-derived Er-activated SiO2â€“HfO2 planar waveguides for 1.5Î¼m application. Journal of Non-Crystalline Solids, 2004, 345-346, 580-584.	1.5	56
117	Solâ€“gel Eu3+/Tm3+ doped transparent glassâ€“ceramic waveguides. Journal of Non-Crystalline Solids, 2004, 348, 180-184.	1.5	22
118	Spectroscopic assessment of silicaâ€“titania and silicaâ€“hafnia planar waveguides. Philosophical Magazine, 2004, 84, 1659-1666.	0.7	26
119	Structure of Redispersible SnO2 Nanoparticles. Journal of Sol-Gel Science and Technology, 2003, 28, 45-50.	1.1	3
120	Erbium-Activated Silica-Titania Planar Waveguides. Journal of Sol-Gel Science and Technology, 2003, 26, 1033-1036.	1.1	41
121	Er3+/Yb3+ Co-Activated Silica-Alumina Monolithic Xerogels. Journal of Sol-Gel Science and Technology, 2003, 26, 943-946.	1.1	22
122	Er3+/Yb3+-activated silicaâ€“titania planar waveguides for EDPWAs fabricated by rf-sputtering. Journal of Non-Crystalline Solids, 2003, 322, 289-294.	1.5	25
123	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.	1.5	53
124	Brillouin scattering in planar waveguides. II. Experiments. Journal of Applied Physics, 2003, 94, 4882.	1.1	4
125	Sol-gel erbium-doped silica-hafnia planar and channel waveguides. , 2003, , .		8
126	Fabrication by rf-sputtering processing of Er3+/Yb3+-codoped silica-titania planar waveguides. , 2003, , .		2

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127	Erbium/Ytterbium-activated silica-titania planar and channel waveguides prepared by rf-sputtering. , 2003, , .		2
128	Filmes de titÃ¢nio-silÃcio preparados por "spin" e "dip-coating". Quimica Nova, 2003, 26, 674-677.	0.3	14
129	Erbium-activate HfO 2 -based waveguides for photonics. , 2003, 4829, 89.		1
130	Sol-gel Er-doped SiO2â€"HfO2 planar waveguides: A viable system for 1.5 Î¼m application. Applied Physics Letters, 2002, 81, 28-30.	1.5	107
131	Planar Waveguides Based on Nanocrystalline and Er³⁺ Doped SnO₂. Materials Science Forum, 2002, 403, 107-110.	0.3	1
132	Inorganic nanoparticles in organic-inorganic hybrid hosts for planar waveguides. , 2002, , .		2
133	Titania-based organicâ€"inorganic hybrid planar waveguides. Journal of Alloys and Compounds, 2002, 344, 221-225.	2.8	42
134	Erbium-activated silica-titania planar waveguides prepared by rf-sputtering. , 2001, , .		9
135	Energy-Transfer Mechanisms and Emission Quantum Yields In Eu3+-Based Siloxane-Poly(oxyethylene) Nanohybrids. Chemistry of Materials, 2001, 13, 2991-2998.	3.2	178
136	<title>Rare-earth-doped HfO<formula><inf><roman>2</roman></inf></formula> nanoparticles embedded in SiO<formula><inf><roman>2</roman></inf></formula>-HfO<formula><inf><roman>2</roman></inf></formula> planar waveguides: preparation and optical, structural, and spectroscopic characterization</title>. , 2000, 3943, 10.		0
137	Low optical loss planar waveguides prepared in an organicâ€"inorganic hybrid system. Applied Physics Letters, 2000, 77, 3502-3504.	1.5	104
138	Optical properties of ZrO2, SiO2 and TiO2-SiO2 xerogels and coatings doped with Eu3+ and Eu2+. Materials Research, 1999, 2, 11-15.	0.6	18
139	Luminescence and non-radiative processes in lanthanide squarate hydrates. Journal of Physics and Chemistry of Solids, 1996, 57, 1727-1734.	1.9	68
140	Spectroscopic study of lanthanide squarate hydrates. Journal of Alloys and Compounds, 1994, 216, 61-66.	2.8	24
141	Super Broadband at Telecom Wavelengths From RE3+-Doped SiO2-Ta2O5 Glass Ceramics Planar Waveguides. Frontiers in Chemistry, 0, 10, .	1.8	1