Alessandro P Chiasera

List of Publications by Year
in descending order

253	4,378	94381 37	155592 55
papers	citations	h-index	g-index

253	253	253	3869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rare-earth activated SnO2 photoluminescent thin films on flexible glass: Synthesis, deposition and characterization. Optical Materials, 2022, 124, 111978.	1.7	13
2	(INVITED)A review on rare-earth activated SnO2-based photonic structures: Synthesis, fabrication and photoluminescence properties. Optical Materials: X, 2022, 13, 100140.	0.3	5
3	Eu3+ as a Powerful Structural and Spectroscopic Tool for Glass Photonics. Materials, 2022, 15, 1847.	1.3	7
4	Sol-gel-derived transparent glass-ceramics for photonics. Optical Materials, 2022, 130, 112577.	1.7	5
5	Assessment of SnO2-nanocrystal-based luminescent glass-ceramic waveguides for integrated photonics. Ceramics International, 2021, 47, 5534-5541.	2.3	17
6	Manufacturing Optically Transparent Thick Zirconia Ceramics by Spark Plasma Sintering with the Use of Collector Pressing. Applied Sciences (Switzerland), 2021, 11, 1304.	1.3	6
7	Flexible photonics: transform rigid materials into mechanically flexible and optically functional systems. , 2021, , .		1
8	Enhancing the Photoluminescence and Microstructural Transformations of Al2O3/Glassâ€“Ceramic Composite Coatings by Laser Irradiation. Applied Sciences (Switzerland), 2021, 11, 5091.	1.3	1
9	Design, fabrication and assessment of an optomechanical sensor for pressure and vibration detection using flexible glass multilayers. Optical Materials, 2021, 115, 111023.	1.7	7
10	Photonic glass systems fabricated by RF sputtering on flexible substrates. , 2021, , .		0
11	Tungsten oxide films by radio-frequency magnetron sputtering for near-infrared photonics. Optical Materials: X, 2021, 12, 100093.	0.3	0
12	Enhanced photorefractivity and rare-earth photoluminescence in SnO2 nanocrystals-based photonic glass-ceramics. EPJ Web of Conferences, 2021, 255, 05001.	0.1	0
13	Optical properties of Nd3+-doped phosphate glasses. Optical Materials, 2020, 99, 109591.	1.7	33
14	SiO2-SnO2:Er3+ planar waveguides: Highly photorefractive glass-ceramics. Optical Materials: X, 2020, 7, 100056.	0.3	3
15	Electro-responsivity in electrolyte-free and solution processed Bragg stacks. Journal of Materials Chemistry C, 2020, 8, 13019-13024.	2.7	12
16	Flexible photonics: RF-sputtering fabrication of glass-based systems operating under mechanical deformation conditions. , 2020, , .		3
17	Optical, structure and dielectric properties of Er3+ ions doped Al-Na-K-Ba phosphate glasses. Egyptian Journal of Chemistry, 2020, .	0.1	0
18	Photonic glass ceramics based on SnO2 nanocrystals: advances and perspectives. , 2020, , .		2

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19	Modeling and parameter recovering of rare-earth-doped/co-doped glass and glass ceramics optical devices. , 2020, , .		0
20	Design and fabrication of multilayer-driven optomechanical device for force and vibration sensing. , 2020, , .		1
21	Design of active devices based on rare-earth-doped glass/glass ceramic: from the material characterization to the device parameter refinement. , 2020, , .		1
22	Flexible sol-gel coatings on polymeric and metallic materials. , 2020, , .		0
23	Analytical modelling of Tm-doped tellurite glass including cross-relaxation process. Optical Materials, 2019, 87, 29-34.	1.7	2
24	Glass Integrated Optics: 50 Years and Still Growing Strong. , 2019, , .		0
25	SiO2-SnO2 Photonic Glass-Ceramics. , 2019, , .		1
26	Low-Threshold Coherent Emission at 1.5 Âµm from Fully Er3+ Doped Monolithic 1D Dielectric Microcavity Fabricated Using Radio Frequency Sputtering. Ceramics, 2019, 2, 74-85.	1.0	4
27	Fabrication, modelling and assessment of hybrid 1-D elastic Fabry Perot microcavity for mechanical sensing applications. Ceramics International, 2019, 45, 7785-7788.	2.3	16
28	SiO2-SnO2 transparent glass-ceramics activated by rare earth ions. , 2019, , .		4
29	Synthesis, structure and spectroscopic properties of luminescent GdVO4:Dy3+ and DyVO4 particles. Optical Materials, 2018, 76, 308-316.	1.7	25
30	Blue to NIR down-conversion in Tm3+/Yb3+-codoped fluorozirconate glasses compared to Pr3+/Yb3+ ion-pair. Journal of Luminescence, 2018, 193, 22-28.	1.5	14
31	SiO2-SnO2:Er3+ Glass-Ceramic Monoliths. Applied Sciences (Switzerland), 2018, 8, 1335.	1.3	22
32	Luminescent solâ€“gel-derived micro and nanoparticles. , 2018, , .		1
33	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2018, , 1607-1649.		0
34	SiO2-SnO2:Er3+ transparent glass-ceramics: fabrication and photonic assessment. , 2018, , .		1
35	One-dimensional disordered photonic structures with two or more materials. , 2018, , .		0
36	Synthesis, structure and spectroscopic assessment of luminescent GdVO4:Dy3+ and DyVO4 nanoparticles. , 2018, , .		1

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37	Fabrication by rf-sputtering and assessment of dielectric Er3+ doped monolithic 1-D microcavity for coherent emission at 1.5 um. , 2018, , .		0
38	Impact of the reverse cross-relaxation process on pumping efficiency in Tm-doped glass lasers materials. , 2018, , .		0
39	SiO 2 -P 2 O 5 -HfO 2 -Al 2 O 3 -Na 2 O glasses activated by Er 3+ ions: From bulk sample to planar waveguide fabricated by rf-sputtering. Optical Materials, 2017, 63, 153-157.	1.7	12
40	The development of solâ€“gel derived TiO₂ thin films and corresponding memristor architectures. RSC Advances, 2017, 7, 1654-1663.	1.7	24
41	1-D Photonic Crystals Fabricated by RF Sputtering Towards Photonic Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 563-564.	0.2	0
42	Tailoring the optical properties of one-dimensional (1D) photonic structures. , 2017, , .		0
43	Glass and glass-ceramic photonic systems. , 2017, , .		2
44	Optical properties of periodic, quasi-periodic, and disordered one-dimensional photonic structures. Optical Materials, 2017, 72, 403-421.	1.7	120
45	Time-resolved photoluminescence studies in Eu-doped SiO 2 â€“ HfO 2 â€“ ZnO glass-ceramic waveguides. Ceramics International, 2017, 43, 1145-1149.	2.3	10
46	Tin-dioxide nanocrystals as Er 3+ luminescence sensitizers: Formation of glass-ceramic thin films and their characterization. Optical Materials, 2017, 63, 95-100.	1.7	40
47	Determination of reverse cross-relaxation process constant in Tm-doped glass by ^3H_4 fluorescence decay tail fitting. Optical Materials Express, 2017, 7, 3760.	1.6	10
48	Numerical investigation of reverse cross-relaxation process in Tm-doped glass by fitting 3H4 fluorescence decay tail. , 2017, , .		0
49	Glass based structures fabricated by rf-sputtering. , 2017, , .		0
50	Sol-gel synthesis and characterization of undoped and Al-doped ZnO thin films for memristive application. AIP Advances, 2016, 6, .	0.6	16
51	Glass-based 1-D dielectric microcavities. Optical Materials, 2016, 61, 11-14.	1.7	5
52	Highly integrated lab-on-a-chip for fluorescence detection. Optical Engineering, 2016, 55, 097102.	0.5	8
53	RF-sputtering derived phosphosilicate planar waveguides activated by Er3+ions. , 2016, , .		0
54	Phosphate-based glasses and nanostructures. , 2016, , .		1

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55	Towards low voltage resistive switch in sol-gel derived TiO2/Ta2O5 stack thin films. Materials and Design, 2016, 105, 359-365.	3.3	13
56	Challenges and future trends in fiber lasers. , 2016, , .		5
57	Numerical modeling of the impact of pump wavelength on Yb-doped fiber amplifier performance. Optical and Quantum Electronics, 2016, 48, 1.	1.5	7
58	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
59	Photoluminescence and lasing in whispering gallery mode glass microspherical resonators. Journal of Luminescence, 2016, 170, 755-760.	1.5	24
60	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2016, , 1-43.		3
61	Comparison of photodarkening in 1030nm and 1070nm Yb-doped fibre lasers. Proceedings of SPIE, 2015, , .	0.8	1
62	Photonic glass-ceramics: consolidated outcomes and prospects. , 2015, , .		4
63	CO₂ Laser irradiation of GeO₂ planar waveguide fabricated by rf-sputtering. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012006.	0.3	6
64	Optical field enhanced nonlinear absorption and optical limiting properties of 1-D dielectric photonic crystal with ZnO defect. Optical Materials, 2015, 50, 229-233.	1.7	45
65	Morphologic, structural, and optical characterization of sol-gel derived TiO2 thin films for memristive devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 192-196.	0.8	15
66	Hybrid 1-D dielectric microcavity: Fabrication and spectroscopic assessment of glass-based sub-wavelength structures. Ceramics International, 2015, 41, 7429-7433.	2.3	22
67	Optical properties of one-dimensional disordered multilayer photonic structures. , 2015, , .		3
68	Metal oxide one dimensional photonic crystals made by RF sputtering and spin coating. Ceramics International, 2015, 41, 8655-8659.	2.3	30
69	Structural and luminescence study of Ce3+ and Tb3+ doped Ca3Sc2Si3O12 garnets obtained by freeze-drying synthesis method. Optical Materials, 2015, 46, 109-114.	1.7	16
70	Rare-earth doped materials for optical waveguides. , 2015, , .		5
71	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1
72	Solâ€“gel-derived photonic structures handling erbium ions luminescence. Optical and Quantum Electronics, 2015, 47, 117-124.	1.5	15

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73	Disorder in Photonic Structures Induced by Random Layer Thickness. Science of Advanced Materials, 2015, 7, 1207-1212.	0.1	42
74	Glass-based confined structures enabling light control. AIP Conference Proceedings, 2015, , .	0.3	0
75	Red photonic glasses and confined structures. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 647-653.	0.8	0
76	RF-sputtering derived dielectric 1-D photonic crystal activated with Er3+ ions. , 2014, , .		0
77	Up-conversion visible emission in rare-earth doped fluoride glass waveguides. Optical Engineering, 2014, 53, 071814.	0.5	9
78	GeO2glass ceramic planar waveguides fabricated by RF-sputtering. , 2014, , .		1
79	Glass-based confined structures fabricated by sol-gel and radio frequency sputtering. Optical Engineering, 2014, 53, 071804.	0.5	1
80	Glass-ceramics for photonics: Advances and perspectives. , 2014, , .		3
81	Optical properties of germanium nanoparticles synthesized by pulsed laser ablation in acetone. Frontiers in Physics, 2014, 2, .	1.0	34
82	Influence of phosphorous precursors on spectroscopic properties of Er3+-activated SiO2-HfO2-P2O5planar waveguides. Journal of Physics: Conference Series, 2014, 566, 012018.	0.3	5
83	Fabrication and Spectroscopic Assessment of Glass-Based Sub-Wavelength Structures for Hybrid 1-D Dielectric 633-nm Laser Microcavity. , 2014, , .		0
84	Photodarkening and Photobleaching impact on ytterbium fiber laser emitting at 1030 nm. , 2014, , .		0
85	Acoustic dynamics of network-forming glasses at mesoscopic wavelengths. Nature Communications, 2013, 4, 1793.	5.8	51
86	Glass-Based Sub-Wavelength Photonic Structures. , 2013, , .		0
87	Up- and down-conversion in Yb3+â€“Pr3+ co-doped fluoride glasses and glass ceramics. Journal of Non-Crystalline Solids, 2013, 377, 105-109.	1.5	42
88	CO_2 Laser irradiation of GeO_2 planar waveguide fabricated by rf-sputtering. Optical Materials Express, 2013, 3, 1561.	1.6	28
89	Tailored spectroscopic and optical properties in rare earth-activated glass-ceramics planar waveguides. , 2013, , .		0
90	Thermal Decomposition of Silicon-rich Oxides Deposited by the LPCVD Method. Croatica Chemica Acta, 2012, , 91-96.	0.1	4

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91	Erbium-activated silica-tin oxide glass ceramics for photonic integrated circuits: fabrication, characterisation, and assessment. , 2012, , .		1
92	High quality factor 1-D Er^3+-activated dielectric microcavity fabricated by RF-sputtering. Optics Express, 2012, 20, 21214.	1.7	64
93	High quality factor dielectric multilayer structures fabricated by rf-sputtering. Proceedings of SPIE, 2012, , .	0.8	1
94	Whispering gallery modes in coated silica microspheres. Proceedings of SPIE, 2012, , .	0.8	0
95	Spherical resonators coated by glass and glass-ceramic films. Proceedings of SPIE, 2012, , .	0.8	1
96	Pr3+â€“Yb3+â€codoped lanthanum fluorozirconate glasses and waveguides for visible laser emission. Journal of Non-Crystalline Solids, 2012, 358, 2695-2700.	1.5	13
97	Thermal stability and spectroscopic properties of erbium-doped niobic-tungstenâ€“tellurite glasses for laser and amplifier devices. Journal of Luminescence, 2012, 132, 1265-1269.	1.5	43
98	$hbox{Er}^{3+}$ and $hbox{Ce}^{3+}$ Codoped Tellurite Optical Fiber for Lasers and Amplifiers in the Near-Infrared Wavelength Region: Fabrication, Optical Characterization, and Prospects. IEEE Photonics Journal, 2012, 4, 194-204.	1.0	34
99	Nonlinear enhancement in 1-D photonic crystal with ZnO defect fabricated by rf sputtering. , 2012, , .		0
100	Luminescent short thiol-functionalized multi-wall carbon nanotubes. Diamond and Related Materials, 2011, 20, 1046-1049.	1.8	18
101	Enhanced luminescence in Er³⁺-doped SiO<inf>2</inf>-ZrO<inf>2</inf> glass ceramic waveguide. , 2011, , .		3
102	Rare earthâ€“activated glass-ceramic in planar format. Optical Engineering, 2011, 50, 071105.	0.5	27
103	Development and optical characterization of vertical tapers in SiON waveguides using gray-scale lithography. Proceedings of SPIE, 2011, , .	0.8	4
104	The optical study of nanoporous C-Pd thin films. Proceedings of SPIE, 2011, , .	0.8	2
105	Characterisation of thin LPCVD silicon-rich oxide films. Proceedings of SPIE, 2011, , .	0.8	0
106	Novel multifunctional nanocomposites from titanate nanosheets and semiconductor quantum dots. Optical Materials, 2011, 33, 1839-1846.	1.7	10
107	Solâ€“gel-derived photonic structures: fabrication, assessment, and application. Journal of Sol-Gel Science and Technology, 2011, 60, 408-425.	1.1	54
108	Surface characterization of thin silicon-rich oxide films. Journal of Molecular Structure, 2011, 993, 214-218.	1.8	6

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109	Down-converter based on rare earth doped fluoride glass to improve Si-based solar cell efficiency. Proceedings of SPIE, 2011, , .	0.8	2
110	Soda-zinc-aluminosilicate glasses doped with Tb3+, Ce3+, and Sm3+for frequency conversion and white light generation. , 2011, , .		3
111	Fabrication and characterization of confined structures for sensing and lasing applications. Proceedings of SPIE, 2010, , .	0.8	1
112	Spatially localized UV-induced crystallization of SnO 2 in photorefractive SiO 2 -SnO 2 thin film. Proceedings of SPIE, 2010, , .	0.8	5
113	Photoluminescence in Er3+/Yb3+-doped silica-titania inverse opal structures. Journal of Sol-Gel Science and Technology, 2010, 55, 52-58.	1.1	17
114	Spherical whisperingâ€galleryâ€mode microresonators. Laser and Photonics Reviews, 2010, 4, 457-482.	4.4	384
115	Rare-earth-activated glassâ€“ceramic waveguides. Optical Materials, 2010, 32, 1644-1647.	1.7	37
116	Tb3+/Yb3+ co-activated Silica-Hafnia glass ceramic waveguides. Optical Materials, 2010, 33, 227-230.	1.7	47
117	Characterization of thiol-functionalized carbon nanotubes on gold surfaces. Surface Science, 2010, 604, 1414-1419.	0.8	20
118	Frequency converter layers based on terbium and ytterbium activated HfO 2 glass-ceramics. Proceedings of SPIE, 2010, , .	0.8	10
119	Highly photorefractive Eu³⁺activated sol-gel SiO 2 -SnO 2 thin film waveguides. Proceedings of SPIE, 2010, , .	0.8	9
120	Glass-Ceramic waveguides: Fabrication and properties. , 2010, , .		6
121	Nanocrystal in Er[sup 3+]-doped SiO[sub 2]-ZrO[sub 2] Planar Waveguide with Yb[sup 3+] Sensitizer. , 2010, , .		0
122	Titanate Nanosheets as High Refractive Layer in Vertical Microcavity Incorporating Semiconductor Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 18423-18428.	1.5	23
123	Investigation on the Electronic and Optical Properties of Short Oxidized Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 11068-11073.	1.5	63
124	Preparation and characterization of SiO<inf>2</inf>-ZrO<inf>2</inf>:Er³⁺/Yb³⁺ planar waveguides for optical amplifier. , 2010, , .		0
125	Glass-ceramics coating of silica microspheres. , 2009, , .		3
126	Fabrication, assessment, and application of confined structures in photonic glasses. , 2009, , .		1

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127	Patterning of Solâ€“Gel Hybrid Organicâ€“Inorganic Film Doped with Luminescent Semiconductor Quantum Dots. Journal of Nanoscience and Nanotechnology, 2009, 9, 1858-1864.	0.9	11
128	SiO 2 -SnO 2 glass-ceramic planar waveguides activated by rare earth ions. , 2009, , .		2
129	Er3+-activated photonic structures fabricated by sol-gel and rf-sputtering techniques. , 2009, , .		2
130	Photonic properties and applications of glass microâ€•and nanospheres. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 898-903.	0.8	6
131	3-D rare earth-doped colloidal photonic crystals. Optical Materials, 2009, 31, 1315-1318.	1.7	31
132	Er3+-activated nanocomposite photonic glasses and confined structures. Optical Materials, 2009, 31, 1071-1074.	1.7	0
133	CO2 laser annealing on erbium-activated glassâ€“ceramic waveguides for photonics. Optical Materials, 2009, 31, 1310-1314.	1.7	18
134	Er3+-activated solâ€“gel silica confined structures for photonic applications. Optical Materials, 2009, 31, 1275-1279.	1.7	9
135	Extended transfer matrix modeling of an erbium-doped cavity with SiO2/TiO2 Bragg reflectors. Optical Materials, 2009, 31, 1306-1309.	1.7	15
136	Quantum Confinement and Matrix Effects in Silver-Exchanged Soda Lime Glasses. Journal of Physical Chemistry C, 2009, 113, 4445-4450.	1.5	50
137	Glass-based erbium activated micro-nano photonic structures. , 2009, , .		4
138	Er3+/Yb3+-activated silica-hafnia planar waveguides for photonics fabricated by rf-sputtering. Journal of Non-Crystalline Solids, 2009, 355, 1176-1179.	1.5	18
139	Structural investigation of photonic materials at the nanolevel using XPS. Journal of Non-Crystalline Solids, 2009, 355, 1157-1159.	1.5	5
140	Er3+-doped silicaâ€“hafnia films for optical waveguides and spherical resonators. Journal of Non-Crystalline Solids, 2009, 355, 1853-1860.	1.5	29
141	Preparation and characterization of ZnO particles embedded in organicâ€“inorganic planar waveguide by solâ€“gel route. Journal of Non-Crystalline Solids, 2009, 355, 1132-1135.	1.5	23
142	An alternative method to obtain direct opal photonic crystal structures. Journal of Non-Crystalline Solids, 2009, 355, 1167-1170.	1.5	43
143	Femtosecond laser direct writing of gratings and waveguides in high quantum efficiency erbium-doped Baccarat glass. Journal Physics D: Applied Physics, 2009, 42, 205106.	1.3	24
144	Photoluminescence spectra of an optically pumped erbium-doped micro-cavity with SiO2/TiO2 distributed Bragg reflectors. Journal of Luminescence, 2009, 129, 1989-1993.	1.5	13

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145	XPS and UPS investigation of the diamond surface oxidation by UV irradiation. Diamond and Related Materials, 2009, 18, 804-807.	1.8	22
146	Photonic crystals for monitoring fatigue phenomena in steel structures. , 2009, , .		21
147	Sol-Gel Based Vertical Optical Microcavities with Quantum Dot Defect Layers. Advanced Functional Materials, 2008, 18, 3772-3779.	7.8	45
148	Erbium-activated silicaâ€“zirconia planar waveguides prepared by solâ€“gel route. Thin Solid Films, 2008, 516, 3094-3097.	0.8	32
149	Electron confinement effects in silver nanocluster embedded in sodalime glasses. , 2008, , .		1
150	Relationship between structure and optical properties in rare earth-doped hafnium and silicon oxides: Modeling and spectroscopic measurements. Journal of Non-Crystalline Solids, 2008, 354, 4719-4722.	1.5	15
151	Monolithic rare-earth doped sol-gel tapered rib waveguide laser. Applied Physics Letters, 2008, 92, 221104.	1.5	38
152	Erbium-Activated Silica-Hafnia: a Reliable Photonic System. , 2008, , .		2
153	Raman scattering on quadrupolar vibrational modes of spherical nanoparticles. Journal of Applied Physics, 2008, 104, .	1.1	6
154	Enhanced fluorescence from Eu3+ in low-loss silica glass-ceramic waveguides with high SnO2 content. Applied Physics Letters, 2008, 93, .	1.5	69
155	Fabrication and Spectroscopic Properties of Glass-Based Erbium Activated Micro-Nano Photonic Structures. , 2008, , .		1
156	Design of high gain Er³⁺-Yb³⁺-Ce³⁺co-doped ZELA fluoride glass waveguide amplifier. Proceedings of SPIE, 2008, , .	0.8	2
157	Preparation and characterization of ZnO particles embedded in organic-inorganic planar waveguide by sol-gel route. Proceedings of SPIE, 2008, , .	0.8	1
158	Photonic properties of erbium activated coated microspheres. , 2008, , .		5
159	Micro-Raman mapping of micro-gratings in Baccarat glass directly written using femtosecond laser. Proceedings of SPIE, 2008, , .	0.8	3
160	Pulsed Laser Deposition of Er doped tellurite films on large area. Journal of Physics: Conference Series, 2007, 59, 475-478.	0.3	8
161	Fabrication by rf-sputtering and diagnostics of Er³⁺/Yb³⁺ - activated silicahafnia waveguides. , 2007, , .		0
162	Mechanisms of Ag to Er energy transfer in silicate glasses: A photoluminescence study. Physical Review B, 2007, 75, .	1.1	121

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163	Fabrication of Er³⁺ active silica direct and inverse opals with high quantum efficiency. , 2007, , .		0
164	Low-loss optical Er3+-activated glass-ceramics planar waveguides fabricated by bottom-up approach. Applied Physics Letters, 2007, 91, .	1.5	50
165	Effect of CO 2 laser irradiation on the performances of sol-gel-derived Er3+-activated SiO 2 - ZrO 2 and SiO 2 - HfO 2 planar waveguides. , 2007, 6458, 91.		3
166	Nanocomposite photonic glasses and confined structures optimizing Er3+-luminescent properties. , 2007, , .		2
167	Metal nanocluster and sodalime glasses: an XPS characterization. Proceedings of SPIE, 2007, , .	0.8	2
168	Ceramization of erbium activated planar waveguides by bottom up technique. , 2007, , .		2
169	Nanocomposite Photonic Glasses, Waveguiding Glass Ceramics and Confined Structures Tailoring Er3+ Spectroscopic Properties. , 2007, , .		0
170	Optimization and Characterization of Rare-Earth-Doped Photonic-Crystal-Fiber Amplifier Using Genetic Algorithm. Journal of Lightwave Technology, 2007, 25, 2135-2142.	2.7	29
171	Rare-earth doped photonic crystal microcavities prepared by solâ€“gel. Journal of Non-Crystalline Solids, 2007, 353, 490-493.	1.5	25
172	Erbium activated HfO2 based glassâ€“ceramics waveguides for photonics. Journal of Non-Crystalline Solids, 2007, 353, 494-497.	1.5	50
173	Silver to erbium energy transfer in phosphate glasses. Journal of Non-Crystalline Solids, 2007, 353, 498-501.	1.5	29
174	X-ray photoelectron spectroscopy of erbium-activated-silicaâ€“hafnia waveguides. Journal of Non-Crystalline Solids, 2007, 353, 502-505.	1.5	13
175	Design of photonic structures by solâ€“gel-derived silica nanospheres. Journal of Non-Crystalline Solids, 2007, 353, 674-678.	1.5	69
176	Rare-earth-doped silica-based glasses for photonic applications. Journal of Non-Crystalline Solids, 2007, 353, 753-756.	1.5	7
177	Tailoring Er³⁺ spectroscopic properties by nanocomposite photonic glasses and confined structures. , 2007, , .		0
178	Rare Earth-Activated Silica-Based Nanocomposites. Journal of Nanomaterials, 2007, 2007, 1-6.	1.5	8
179	Luminescence and Amplified Stimulated Emission in CdSe-ZnS-Nanocrystal-Doped TiO2 and ZrO2 Waveguides. Advanced Functional Materials, 2007, 17, 1654-1662.	7.8	77
180	Low wavenumber Raman scattering of nanoparticles and nanocomposite materials. Journal of Raman Spectroscopy, 2007, 38, 647-659.	1.2	73

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181	Er3+-activated silica inverse opals synthesized by the solgel method. Optoelectronics Letters, 2007, 3, 184-187.	0.4	5
182	Diagnostic techniques for photonic materials based on Raman and Brillouin spectroscopies. Optoelectronics Letters, 2007, 3, 188-191.	0.4	6
183	Assessment of nanocomposite photonic systems with the X-ray photoelectron spectroscopy. Optoelectronics Letters, 2007, 3, 192-194.	0.4	0
184	Er3+ ion dispersion in tellurium oxychloride glasses. Optical Materials, 2007, 29, 503-509.	1.7	38
185	Optical and spectroscopic properties of a new erbium-doped soda-lime-alumino-silicate glass for integrated optical amplifiers. , 2006, , .		0
186	Spectroscopic and lasing properties of Er3+-doped glass microspheres. Journal of Non-Crystalline Solids, 2006, 352, 2360-2363.	1.5	31
187	Er3+/Yb3+-codoped silicaâ€“germania sputtered films: structural and spectroscopic characterization. Journal of Non-Crystalline Solids, 2006, 352, 2585-2588.	1.5	5
188	Er3+/Yb3+activated silica-hafnia planar waveguides for photonics fabricated by rf-sputtering. , 2006, 6183, 173.		1
189	Application of PVD technique to the fabrication of erbium doped ZrF 4 -based glass ceramic for optical amplification. , 2006, 6183, 369.		1
190	Characterization of highly photorefractive and active silica-germania sputtered thin films. , 2006, 6123, 124.		1
191	Characterization of erbium doped lithium niobate crystals and waveguides. Optical Materials, 2006, 28, 1292-1295.	1.7	11
192	Erbium-activated modified silica glasses with high 4I13/2 luminescence quantum yield. Optical Materials, 2006, 28, 1325-1328.	1.7	19
193	Influence of PrCl3/PrF3 on the optical and spectroscopic properties of fluorogallate and fluoro-gallo-indate glasses. Optical Materials, 2006, 28, 441-447.	1.7	8
194	Fabrication and optical assessment of sol-gel-derived photonic bandgap dielectric structures. , 2006, 6182, 454.		5
195	<title>Whispering gallery mode resonators for microlasers and microsensors</title>. , 2006, , .		3
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