Andrea Chiappini

List of Publications by Year
in descending order

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177	2,234	218381	315357
papers	citations	26 h-index	38 g-index

179	179	179	2299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="bold">T</mml:mi><mml:msup><mml:mi mathvariant="bold">b</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup><mml:mo linebreak="goodbreak" linebreakstyle="after">/</mml:mo><mml:mi mathvariant="bold">Y</mml:mi><mml:msup><mml:mi mathvariant="bold">b</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow>	1.7	3
2	Solid solution enhanced electrostriction in the YSZ-GDC system. Open Ceramics, 2022, 9, 100206.	1.0	1
3	Comparison of energy transfer between Terbium and Ytterbium ions in glass and glass ceramic: Application in photovoltaic. Solar Energy Advances, 2022, 2, 100012.	1.2	0
4	Assessment of SnO2-nanocrystal-based luminescent glass-ceramic waveguides for integrated photonics. Ceramics International, 2021, 47, 5534-5541.	2.3	17
5	Enhancement of X-ray-Excited Red Luminescence of Chromium-Doped Zinc Gallate via Ultrasmall Silicon Carbide Nanocrystals. Chemistry of Materials, 2021, 33, 2457-2465.	3.2	9
6	2D-MoS2 goes 3D: transferring optoelectronic properties of 2D MoS2 to a large-area thin film. Npj 2D Materials and Applications, 2021, 5, .	3.9	31
7	Effect of Hydrothermal Treatment and Doping on the Microstructural Features of Sol-Gel Derived BaTiO3 Nanoparticles. Materials, 2021, 14, 4345.	1.3	9
8	Radiation propagation in a hierarchical solar volumetric absorber: Results of single-photon avalanche diode measurements and Monte Carlo ray tracing analysis. Renewable Energy, 2021, 180, 482-493.	4.3	3
9	Thermoelectric properties of CZTS thin films: effect of Cuâ€“Zn disorder. Physical Chemistry Chemical Physics, 2021, 23, 13148-13158.	1.3	15
10	Multimodal Gold Nanostars as SERS Tags for Optically-Driven Doxorubicin Release Study in Cancer Cells. Materials, 2021, 14, 7272.	1.3	4
11	Glass ceramics for frequency conversion. , 2020, , 391-414.		5
12	Modification of the Nearâ€Infrared Spontaneous Emission in Er³⁺â€Activated Inverse Silica Opals. Physica Status Solidi (B): Basic Research, 2020, 257, 1900476.	0.7	1
13	SiO2-SnO2:Er3+ planar waveguides: Highly photorefractive glass-ceramics. Optical Materials: X, 2020, 7, 100056.	0.3	3
14	Assessment of the mechanical and optical properties of buckling periodic elastic materials as optical force sensors. Optical Materials, 2020, 110, 110507.	1.7	1
15	Molecular Imprinted Polymers Coupled to Photonic Structures in Biosensors: The State of Art. Sensors, 2020, 20, 5069.	2.1	35
16	Synthesis of MoS2 Thin Film by Ionized Jet Deposition: Role of Substrate and Working Parameters. Surfaces, 2020, 3, 683-693.	1.0	4
17	Flash cold sintering: Combining water and electricity. Journal of the European Ceramic Society, 2020, 40, 6266-6271.	2.8	26
18	Unravelling Work Function Contributions and Their Engineering in 2H-MoS₂ Single Crystal Discovered by Molecular Probe Interaction. Journal of Physical Chemistry C, 2020, 124, 6732-6740.	1.5	4

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19	Photonic Crystal Stimuli-Responsive Chromatic Sensors: A Short Review. Micromachines, 2020, 11, 290.	1.4	29
20	Ultra-low thermal conductivity and improved thermoelectric performance in disordered nanostructured copper tin sulphide (Cu2SnS3, CTS). Journal of Alloys and Compounds, 2020, 830, 154604.	2.8	27
21	3D-photonic crystals: Opal structures. , 2020, , 113-144.		0
22	Comparison between glass and glass-ceramic silica-hafnia matrices on the down-conversion efficiency of Tb3+/Yb3+ rare earth ions. Optical Materials, 2019, 87, 102-106.	1.7	19
23	Synthesis and Post-Annealing of Cu2ZnSnS4 Absorber Layers Based on Oleylamine/1-dodecanethiol. Materials, 2019, 12, 3320.	1.3	16
24	SiO2-SnO2 Photonic Glass-Ceramics. , 2019, , .		1
25	Quantum Microâ€“Nano Devices Fabricated in Diamond by Femtosecond Laser and Ion Irradiation. Advanced Quantum Technologies, 2019, 2, 1900006.	1.8	31
26	Femtosecond laser written photonic and microfluidic circuits in diamond. JPhys Photonics, 2019, 1, 022001.	2.2	40
27	Colloidal crystals based portable chromatic sensor for butanol isomers and water mixtures detection. Optical Materials, 2019, 90, 152-158.	1.7	12
28	Lasing and mode selection in erbium doped 70SiO2-30HfO2 coated microspheres. Optical Materials, 2019, 87, 98-101.	1.7	3
29	SiO2-SnO2 transparent glass-ceramics activated by rare earth ions. , 2019, , .		4
30	Passive and active whispering gallery mode microresonators in optical engineering. , 2019, , .		0
31	Polarized micro-Raman studies of femtosecond laser written stress-induced optical waveguides in diamond. Applied Physics Letters, 2018, 112, .	1.5	21
32	Synthesis, structure and spectroscopic properties of luminescent GdVO4:Dy3+ and DyVO4 particles. Optical Materials, 2018, 76, 308-316.	1.7	25
33	Visible to NIR downconversion process in Tb3+-Yb3+ codoped silica-hafnia glass and glass-ceramic sol-gel waveguides for solar cells. Journal of Luminescence, 2018, 193, 44-50.	1.5	49
34	Fractional-Order Theory of Thermoelasticicty. I: Generalization of the Fourier Equation. Journal of Engineering Mechanics - ASCE, 2018, 144, 04017164.	1.6	5
35	Fractional-Order Theory of Thermoelasticity. II: Quasi-Static Behavior of Bars. Journal of Engineering Mechanics - ASCE, 2018, 144, 04017165.	1.6	1
36	Fluorescent Aptamer Immobilization on Inverse Colloidal Crystals. Sensors, 2018, 18, 4326.	2.1	12

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37	Laser surface structuring of diamond with ultrashort Bessel beams. Scientific Reports, 2018, 8, 14021.	1.6	23
38	2D Optical Gratings Based on Hexagonal Voids on Transparent Elastomeric Substrate. Micromachines, 2018, 9, 345.	1.4	14
39	Quasi-hemispherical voids micropatterned PDMS as strain sensor. Optical Materials, 2018, 86, 408-413.	1.7	8
40	Versatile and Scalable Strategy To Grow Solâ€“Gel Derived 2H-MoS₂ Thin Films with Superior Electronic Properties: A Memristive Case. ACS Applied Materials & Interfaces, 2018, 10, 34392-34400.	4.0	22
41	Integrated waveguides and deterministically positioned nitrogen vacancy centers in diamond created by femtosecond laser writing. Optics Letters, 2018, 43, 3586.	1.7	59
42	Lasing in Er³⁺ doped microspheres. , 2018, , .		0
43	Luminescent solâ€“gel-derived micro and nanoparticles. , 2018, , .		1
44	Femtosecond laser written diamond photonics. , 2018, , .		0
45	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2018, , 1607-1649.		0
46	Lasing properties of Er3+ activated SiO2-HfO2 coated microspheres. , 2018, , .		0
47	Glass photonic structures fabricated by sol-gel route. , 2018, , .		0
48	Synthesis, structure and spectroscopic assessment of luminescent GdVO4:Dy3+ and DyVO4 nanoparticles. , 2018, , .		1
49	The development of solâ€“gel derived TiO₂ thin films and corresponding memristor architectures. RSC Advances, 2017, 7, 1654-1663.	1.7	24
50	Bulk diamond optical waveguides fabricated by focused femtosecond laser pulses. , 2017, , .		0
51	Finite difference analysis and experimental validation of 3D photonic crystals for structural health monitoring. , 2017, , .		2
52	Gold nanoparticles 1D array as mechanochromic strain sensor. Materials Chemistry and Physics, 2017, 192, 94-99.	2.0	28
53	Study of graphitic microstructure formation in diamond bulk by pulsed Bessel beam laser writing. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	13
54	Raman spectroscopy of femtosecond laser written low propagation loss optical waveguides in Schott N-SF8 glass. Optical Materials, 2017, 72, 626-631.	1.7	6

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55	Pulsed Bessel beam-induced high aspect ratio microstructures on diamond substrate for microfluidics and biosensing applications. , 2017, , .		0
56	Pulsed Bessel beam-induced microchannels on a diamond surface for versatile microfluidic and sensing applications. Optical Materials Express, 2017, 7, 1962.	1.6	21
57	Femtosecond laser processing for single NV-waveguide integration in diamond. , 2017, , .		0
58	Visible to Infrared Diamond Photonics Enabled by Focused Femtosecond Laser Pulses. Micromachines, 2017, 8, 60.	1.4	26
59	Sol-gel synthesis and characterization of undoped and Al-doped ZnO thin films for memristive application. AIP Advances, 2016, 6, .	0.6	16
60	Photonic crystal slab strain sensors: A viable tool for structural health monitoring. , 2016, , .		0
61	Towards low voltage resistive switch in sol-gel derived TiO2/Ta2O5 stack thin films. Materials and Design, 2016, 105, 359-365.	3.3	13
62	Diamond photonics platform enabled by femtosecond laser writing. Scientific Reports, 2016, 6, 35566.	1.6	96
63	Femtosecond laser written photonic circuits in diamond for quantum information. , 2016, , .		0
64	Structural and optical investigation of nanocrystalline lithium lanthanum praseodymium tetraphosphate powders. Journal of Alloys and Compounds, 2016, 687, 733-740.	2.8	10
65	Photoluminescence and lasing in whispering gallery mode glass microspherical resonators. Journal of Luminescence, 2016, 170, 755-760.	1.5	24
66	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2016, , 1-43.		3
67	Thermo optical coefficient of tin-oxide films measured by ellipsometry. Journal of Applied Physics, 2015, 118, .	1.1	9
68	Photonic glass-ceramics: consolidated outcomes and prospects. , 2015, , .		4
69	Strain-sensitive photonic crystals for sensing applications in structural health monitoring. , 2015, , .		0
70	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
71	Fabrication and optical properties of assembled gold nanoparticles film on elastomeric substrate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 431-437.	2.3	13
72	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

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73	Design and fabrication of mechanochromic photonic crystals as strain sensor. Proceedings of SPIE, 2015, , .	0.8	8
74	Fabrication and characterization of Er⁺³ doped SiO₂/SnO₂ glass-ceramic thin films for planar waveguide applications. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012102.	0.3	4
75	Rare-earth doped materials for optical waveguides. , 2015, , .		5
76	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1
77	Solâ€“gel-derived photonic structures handling erbium ions luminescence. Optical and Quantum Electronics, 2015, 47, 117-124.	1.5	15
78	Glass-based confined structures enabling light control. AIP Conference Proceedings, 2015, , .	0.3	0
79	Whispering gallery mode profiles in a coated microsphere. European Physical Journal: Special Topics, 2014, 223, 1959-1969.	1.2	16
80	Red photonic glasses and confined structures. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 647-653.	0.8	0
81	Light-opals interaction modeling by direct numerical solution of Maxwellâ€™s equations. Optics Express, 2014, 22, 27739.	1.7	18
82	Glass-based confined structures fabricated by sol-gel and radio frequency sputtering. Optical Engineering, 2014, 53, 071804.	0.5	1
83	Innovative Micro- and Nanostructured Materials and Devices for Energy Applications. Advances in Materials Science and Engineering, 2014, 2014, 1-2.	1.0	0
84	Structural and spectroscopic properties of Eu3+-activated nanocrystalline tetraphosphates loaded in silicaâ€“hafnia thin film. Journal of Non-Crystalline Solids, 2014, 401, 32-35.	1.5	24
85	Parallel finite-difference time-domain modeling of an opal photonic crystal. Optical Engineering, 2014, 53, 071809.	0.5	5
86	Glass optical waveguides: a review of fabrication techniques. Optical Engineering, 2014, 53, 071819.	0.5	89
87	One-step synthesis of star-shaped gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 623-628.	2.3	60
88	Coated spherical microresonators for cutting-edge photonics application. , 2014, , .		0
89	Tailoring of the free spectral range and geometrical cavity dispersion of a microsphere by a coating layer. Optics Letters, 2014, 39, 5173.	1.7	27
90	Glass-ceramics for photonics: Advances and perspectives. , 2014, , .		3

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91	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
92	Solvent sensitive polymer composite structures. Optical Materials, 2013, 36, 130-134.	1.7	16
93	Glass-Based Sub-Wavelength Photonic Structures. , 2013, , .		0
94	About the role of phase matching between a coated microsphere and a tapered fiber: experimental study. Optics Express, 2013, 21, 20954.	1.7	19
95	A parallel computational FDTD approach to the analysis of the light scattering from an opal photonic crystal. Proceedings of SPIE, 2013, , .	0.8	2
96	Tailored spectroscopic and optical properties in rare earth-activated glass-ceramics planar waveguides. , 2013, , .		0
97	Tailoring the optical properties by colloidal systems. , 2012, , .		0
98	Experimental investigation of photonic band gap influence on enhancement of Raman-scattering in metal-dielectric colloidal crystals. Journal of Applied Physics, 2012, 112, 084303.	1.1	35
99	Spherical resonators coated by glass and glass-ceramic films. Proceedings of SPIE, 2012, , .	0.8	1
100	Low-Loss Erbium Activated Silica-Tin Oxide Planar Waveguides. , 2012, , .		0
101	Synthesis and characterization of PMMA-based superhydrophobic surfaces. Colloid and Polymer Science, 2012, 290, 315-322.	1.0	15
102	Opal-Based Photonic Crystal Heterostructures. Optics and Photonics Journal, 2012, 02, 206-210.	0.3	5
103	Characterisation of thin LPCVD silicon-rich oxide films. Proceedings of SPIE, 2011, , .	0.8	0
104	Solâ€“gel-derived photonic structures: fabrication, assessment, and application. Journal of Sol-Gel Science and Technology, 2011, 60, 408-425.	1.1	54
105	Erbium doped silicaâ€hafnia glass ceramic waveguides. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2875-2879.	0.8	6
106	Hybrid colloidal crystal for photonic application. , 2011, , .		1
107	Fabrication and characterization of confined structures for sensing and lasing applications. Proceedings of SPIE, 2010, , .	0.8	1
108	Spatially localized UV-induced crystallization of SnO 2 in photorefractive SiO 2 -SnO 2 thin film. Proceedings of SPIE, 2010, , .	0.8	5

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109	Photoluminescence in Er3+/Yb3+-doped silica-titania inverse opal structures. Journal of Sol-Gel Science and Technology, 2010, 55, 52-58.	1.1	17
110	Rare-earth-activated glassâ€“ceramic waveguides. Optical Materials, 2010, 32, 1644-1647.	1.7	37
111	Tb3+/Yb3+ co-activated Silica-Hafnia glass ceramic waveguides. Optical Materials, 2010, 33, 227-230.	1.7	47
112	Frequency converter layers based on terbium and ytterbium activated HfO 2 glass-ceramics. Proceedings of SPIE, 2010, , .	0.8	10
113	Highly photorefractive Eu³⁺activated sol-gel SiO 2 -SnO 2 thin film waveguides. Proceedings of SPIE, 2010, , .	0.8	9
114	Glass-Ceramic waveguides: Fabrication and properties. , 2010, , .		6
115	Fabrication and characterization of colloidal crystals infiltrated with metallic nanoparticles. Proceedings of SPIE, 2010, , .	0.8	6
116	Fabrication, assessment, and application of confined structures in photonic glasses. , 2009, , .		1
117	SiO 2 -SnO 2 glass-ceramic planar waveguides activated by rare earth ions. , 2009, , .		2
118	Er3+-activated photonic structures fabricated by sol-gel and rf-sputtering techniques. , 2009, , .		2
119	Photonic properties and applications of glass microâ€•and nanospheres. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 898-903.	0.8	6
120	3-D rare earth-doped colloidal photonic crystals. Optical Materials, 2009, 31, 1315-1318.	1.7	31
121	Er3+-activated nanocomposite photonic glasses and confined structures. Optical Materials, 2009, 31, 1071-1074.	1.7	0
122	Er3+-activated solâ€“gel silica confined structures for photonic applications. Optical Materials, 2009, 31, 1275-1279.	1.7	9
123	Glass-based erbium activated micro-nano photonic structures. , 2009, , .		4
124	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
125	Structural investigation of photonic materials at the nanolevel using XPS. Journal of Non-Crystalline Solids, 2009, 355, 1157-1159.	1.5	5
126	Er3+-doped silicaâ€“hafnia films for optical waveguides and spherical resonators. Journal of Non-Crystalline Solids, 2009, 355, 1853-1860.	1.5	29

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127	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
128	An alternative method to obtain direct opal photonic crystal structures. Journal of Non-Crystalline Solids, 2009, 355, 1167-1170.	1.5	43
129	High quality factor Er-doped Fabryâ€“Perot microcavities by solâ€“gel processing. Journal Physics D: Applied Physics, 2009, 42, 205104.	1.3	32
130	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
131	Micro resonator stabilization by thin film coating. , 2009, , .		3
132	Noble metal nanoparticles functionalized with novel organic luminophores. , 2009, , .		0
133	Modeling of nano- and micro-spheres for sensing applications. , 2009, , .		0
134	Photonic crystals for monitoring fatigue phenomena in steel structures. , 2009, , .		21
135	ELECTRONIC CONFINEMENT OF SILVER NANOCLUSTERS IN Er³⁺-ACTIVATED SILICATE AND PHOSPHATE GLASSES. , 2009, , .		0
136	Effect of dye on the band gap of 3D polystyrene photonic crystals. Proceedings of SPIE, 2009, , .	0.8	2
137	Evaluation of pressure load on platform screen doors in a metro system. , 2009, , .		0
138	Electron confinement effects in silver nanocluster embedded in sodalime glasses. , 2008, , .		1
139	Erbium-Activated Silica-Hafnia: a Reliable Photonic System. , 2008, , .		2
140	Glass Microspherical Lasers. Advances in Science and Technology, 2008, 55, 46-55.	0.2	3
141	Fabrication and Spectroscopic Properties of Glass-Based Erbium Activated Micro-Nano Photonic Structures. , 2008, , .		1
142	Preparation and characterization of ZnO particles embedded in organic-inorganic planar waveguide by sol-gel route. Proceedings of SPIE, 2008, , .	0.8	1
143	Photonic properties of erbium activated coated microspheres. , 2008, , .		5
144	Micro-Raman mapping of micro-gratings in Baccarat glass directly written using femtosecond laser. Proceedings of SPIE, 2008, , .	0.8	3

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145	Fabrication by rf-sputtering and diagnostics of Er³⁺/Yb³⁺ - activated silicahafnia waveguides. , 2007, , .		0
146	Fabrication of Er³⁺ active silica direct and inverse opals with high quantum efficiency. , 2007, , .		0
147	Low-loss optical Er3+-activated glass-ceramics planar waveguides fabricated by bottom-up approach. Applied Physics Letters, 2007, 91, .	1.5	50
148	Nanocomposite photonic glasses and confined structures optimizing Er3+-luminescent properties. , 2007, , .		2
149	Ceramization of erbium activated planar waveguides by bottom up technique. , 2007, , .		2
150	Nanocomposite Photonic Glasses, Waveguiding Glass Ceramics and Confined Structures Tailoring Er3+ Spectroscopic Properties. , 2007, , .		0
151	Rare-earth doped photonic crystal microcavities prepared by solâ€“gel. Journal of Non-Crystalline Solids, 2007, 353, 490-493.	1.5	25
152	Erbium activated HfO2 based glassâ€“ceramics waveguides for photonics. Journal of Non-Crystalline Solids, 2007, 353, 494-497.	1.5	50
153	Design of photonic structures by solâ€“gel-derived silica nanospheres. Journal of Non-Crystalline Solids, 2007, 353, 674-678.	1.5	69
154	Rare-earth-doped silica-based glasses for photonic applications. Journal of Non-Crystalline Solids, 2007, 353, 753-756.	1.5	7
155	Tailoring Er³⁺ spectroscopic properties by nanocomposite photonic glasses and confined structures. , 2007, , .		0
156	Rare Earth-Activated Silica-Based Nanocomposites. Journal of Nanomaterials, 2007, 2007, 1-6.	1.5	8
157	Er3+-activated silica inverse opals synthesized by the solgel method. Optoelectronics Letters, 2007, 3, 184-187.	0.4	5
158	Diagnostic techniques for photonic materials based on Raman and Brillouin spectroscopies. Optoelectronics Letters, 2007, 3, 188-191.	0.4	6
159	Er3+/Yb3+activated silica-hafnia planar waveguides for photonics fabricated by rf-sputtering. , 2006, 6183, 173.		1
160	Erbium-activated modified silica glasses with high 4I13/2 luminescence quantum yield. Optical Materials, 2006, 28, 1325-1328.	1.7	19
161	Fabrication and optical assessment of sol-gel-derived photonic bandgap dielectric structures. , 2006, 6182, 454.		5
162	Homogeneous and nanocomposite rare-earth-activated glasses for photonic devices. , 2006, , .		1

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163	Nanocomposite Erâ€“Ag silicate glasses. Journal of Optics, 2006, 8, S450-S454.	1.5	20
164	Er3+activated silica-hafnia glass-ceramics planar waveguides. , 2006, 6183, 438.		19
165	High quality factor Er3+-activated dielectric microcavity fabricated by rf sputtering. Applied Physics Letters, 2006, 89, 171910.	1.5	41
166	Spectroscopic properties of Er3+-activated Ag-exchanged silicate and phosphate glasses. , 2005, , .		0
167	Spectroscopic assessment of rare-earth activated planar waveguides and microcavities. Applied Surface Science, 2005, 248, 3-7.	3.1	6
168	Optical and spectroscopic properties of erbium-activated modified silica glass with 1.54 Î¼m high quantum efficiency. , 2005, , .		4
169	Optical spectroscopy of TeO2â€“GeO2 glasses activated with Er3+ and Tm3+ ions. Journal of Non-Crystalline Solids, 2005, 351, 1759-1763.	1.5	43
170	Pulsed laser deposition of Er3+-doped oxyfluoride thin films. Journal of Non-Crystalline Solids, 2005, 351, 1810-1813.	1.5	5
171	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
172	Erbium/Ytterbium-activated silica-titania planar and channel waveguides prepared by rf-sputtering. , 2003, , .		2
173	Erbium-activated silicaâ€“titania planar waveguides on silica-on-silicon substrates prepared by rf sputtering. Journal of Non-Crystalline Solids, 2001, 284, 230-236.	1.5	35
174	Opal-Type Photonic Crystals: Fabrication and Application. Advances in Science and Technology, 0, , .	0.2	3
175	Rare â€“ Earth â€“ Doped Silicate Glass â€“ Ceramic Thin Films for Integrated Optical Devices. Advances in Science and Technology, 0, , .	0.2	1
176	Glass-Based Photonic Crystals: From Fabrication to Applications. Advances in Science and Technology, 0, , .	0.2	0
177	Mechanochromic Photonic Crystals for Structural Health Monitoring. , 0, , .		0