

Anna Āukowiak

List of Publications by Year in descending order

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160
papers

2,262
citations

201674

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265206

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166
docs citations

166
times ranked

2987
citing authors

#	ARTICLE	IF	CITATIONS
1	Rare-earth activated SnO ₂ photoluminescent thin films on flexible glass: Synthesis, deposition and characterization. <i>Optical Materials</i> , 2022, 124, 111978.	3.6	13
2	(INVITED)A review on rare-earth activated SnO ₂ -based photonic structures: Synthesis, fabrication and photoluminescence properties. <i>Optical Materials: X</i> , 2022, 13, 100140.	0.8	5
3	Solvothermally-derived nanoglass as a highly bioactive material. <i>Nanoscale</i> , 2022, 14, 5514-5528.	5.6	6
4	Eu ³⁺ as a Powerful Structural and Spectroscopic Tool for Glass Photonics. <i>Materials</i> , 2022, 15, 1847.	2.9	7
5	Novel CaO–SiO ₂ –P ₂ O ₅ Nanobioglass Activated with Hafnium Phthalocyanine. <i>Nanomaterials</i> , 2022, 12, 1719.	4.1	0
6	Effect of ZnO on sol–gel glass properties toward (bio)application. <i>Polyhedron</i> , 2022, 223, 115952.	2.2	1
7	Sol-gel-derived transparent glass-ceramics for photonics. <i>Optical Materials</i> , 2022, 130, 112577.	3.6	5
8	Evolution of the crystal structure and magnetic properties of Sm-doped BiFeO ₃ ceramics across the phase boundary region. <i>Ceramics International</i> , 2021, 47, 5399-5406.	4.8	21
9	Assessment of SnO ₂ -nanocrystal-based luminescent glass-ceramic waveguides for integrated photonics. <i>Ceramics International</i> , 2021, 47, 5534-5541.	4.8	17
10	Modification of insulin amyloid aggregation by Zr phthalocyanines functionalized with dehydroacetic acid derivatives. <i>PLoS ONE</i> , 2021, 16, e0243904.	2.5	8
11	Upconversion Luminescence of Silica–Calcium Nanoparticles Co-doped with Tm ³⁺ and Yb ³⁺ Ions. <i>Materials</i> , 2021, 14, 937.	2.9	23
12	Flexible photonics: transform rigid materials into mechanically flexible and optically functional systems. , 2021, , .		1
13	Perspectives of using photodynamic therapy as antimicrobial therapy in endodontics. <i>Reviews in Medical Microbiology</i> , 2021, Publish Ahead of Print, .	0.9	1
14	Structural and Functional Properties of Fluorinated Silica Hybrid Barrier Layers on Flexible Polymeric Foil. <i>Coatings</i> , 2021, 11, 573.	2.6	9
15	From flexible electronics to flexible photonics: A brief overview. <i>Optical Materials</i> , 2021, 115, 111011.	3.6	34
16	Design, fabrication and assessment of an optomechanical sensor for pressure and vibration detection using flexible glass multilayers. <i>Optical Materials</i> , 2021, 115, 111023.	3.6	7
17	Composites based on graphite oxide and zirconium phthalocyanines with aromatic amino acids as photoactive materials. <i>Chemical Papers</i> , 2021, 75, 5421-5433.	2.2	4
18	Photonic glass systems fabricated by RF sputtering on flexible substrates. , 2021, , .		0

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19	Patterns of Oral Microbiota in Patients with Apical Periodontitis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2707.	2.4	26
20	The Impact of Graphite Oxide Nanocomposites on the Antibacterial Activity of Serum. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7386.	4.1	2
21	Morphotropic phase boundary in Sm-substituted BiFeO ₃ ceramics: Local vs microscopic approaches. <i>Journal of Alloys and Compounds</i> , 2021, 875, 159994.	5.5	10
22	Composite based on graphite oxide, metallic silver and zirconium phthalocyanine coordinated by out-of-plane arginate ligands as photoactive antibacterial additive to endodontic cement. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113432.	3.9	1
23	Tm ³⁺ :KY(WO ₄) ₂ single crystals: Controlled growth and spectroscopic assessment. <i>Optical Materials</i> , 2021, 120, 111451.	3.6	4
24	Influence of fluoroalkyl chains on structural, morphological, and optical properties of silica-based coatings on flexible substrate. <i>Optical Materials</i> , 2021, 121, 111524.	3.6	7
25	Enhanced photorefractivity and rare-earth photoluminescence in SnO ₂ nanocrystals-based photonic glass-ceramics. <i>EPJ Web of Conferences</i> , 2021, 255, 05001.	0.3	0
26	Novel synthetic approach to the preparation of single-phase Bi _x La _{1-x} MnO ₃ solid solutions. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 650-656.	2.4	10
27	Glass ceramics for frequency conversion. , 2020, , 391-414.		5
28	Possible electrochemical origin of ferroelectricity in HfO ₂ thin films. <i>Journal of Alloys and Compounds</i> , 2020, 830, 153628.	5.5	57
29	Optical properties of Nd ³⁺ -doped phosphate glasses. <i>Optical Materials</i> , 2020, 99, 109591.	3.6	33
30	Modification of the Near-Infrared Spontaneous Emission in Er ³⁺ -Activated Inverse Silica Opals. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900476.	1.5	1
31	SiO ₂ -SnO ₂ :Er ³⁺ planar waveguides: Highly photorefractive glass-ceramics. <i>Optical Materials: X</i> , 2020, 7, 100056.	0.8	3
32	A Facile Synthesis and Characterization of Highly Crystalline Submicro-Sized BiFeO ₃ . <i>Materials</i> , 2020, 13, 3035.	2.9	16
33	Flexible Photonics: Where Are We Now?. , 2020, , .		1
34	Nanoscale ferroelectricity in pseudo-cubic sol-gel derived barium titanate - bismuth ferrite (BaTiO ₃ â€”Tj ETQq0 0 0 ggBT /Overlock 10 T	3.5	32
35	Rare earth elements and urban mines: Critical strategies for sustainable development. <i>Ceramics International</i> , 2020, 46, 26247-26250.	4.8	17
36	Photonic Crystal Stimuli-Responsive Chromatic Sensors: A Short Review. <i>Micromachines</i> , 2020, 11, 290.	2.9	29

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37	<p>Consequences Of Long-Term Bacteria&TM's Exposure To Silver Nanoformulations With Different PhysicoChemical Properties</p>. International Journal of Nanomedicine, 2020, Volume 15, 199-213.	6.7	14
38	Synthesis, Spectroscopic Characterization and Photoactivity of Zr(IV) Phthalocyanines Functionalized with Aminobenzoic Acids and Their GO-Based Composites. Journal of Carbon Research, 2020, 6, 1.	2.7	6
39	Oxygen barrier enhancement of polymeric foil by sol-gel-derived hybrid silica layers. Polymer, 2020, 195, 122437.	3.8	5
40	Increased Low&T-temperature Magnetization and Spin&R-orientational Transition in the Polar Phase of (Ca, Mn)&D-doped Bismuth Ferrites. Physica Status Solidi (B): Basic Research, 2020, 257, 2000121.	1.5	1
41	Flexible photonics: RF-sputtering fabrication of glass-based systems operating under mechanical deformation conditions. , 2020, , .		3
42	Optical, structure and dielectric properties of Er3+ ions doped Al-Na-K-Ba phosphate glasses. Egyptian Journal of Chemistry, 2020, .	0.2	0
43	3D-photonic crystals: Opal structures. , 2020, , 113-144.		0
44	Photonic glass ceramics based on SnO2 nanocrystals: advances and perspectives. , 2020, , .		2
45	Modeling and parameter recovering of rare-earth-doped/co-doped glass and glass ceramics optical devices. , 2020, , .		0
46	Spectral and time-resolved analysis of rare earth-doped SnO2 emission. , 2020, , .		1
47	Design and fabrication of multilayer-driven optomechanical device for force and vibration sensing. , 2020, , .		1
48	Design of active devices based on rare-earth-doped glass/glass ceramic: from the material characterization to the device parameter refinement. , 2020, , .		1
49	Flexible sol-gel coatings on polymeric and metallic materials. , 2020, , .		0
50	Analytical modelling of Tm-doped tellurite glass including cross-relaxation process. Optical Materials, 2019, 87, 29-34.	3.6	2
51	Coherent emission from fully Er3+ doped monolithic 1-D dielectric microcavity fabricated by rf-sputtering. Optical Materials, 2019, 87, 107-111.	3.6	27
52	Ferromagnetic-like behavior of Bi0.9La0.1FeO3&KBr nanocomposites. Scientific Reports, 2019, 9, 10417.	3.3	10
53	Light-Activated Zirconium(IV) Phthalocyanine Derivatives Linked to Graphite Oxide Flakes and Discussion on Their Antibacterial Activity. Applied Sciences (Switzerland), 2019, 9, 4447.	2.5	6
54	RF-Sputtering Technique for Fabrication of Dielectric Multilayer Structures with Low-Threshold Coherent Emission at 1.5 ¼m. , 2019, , .		1

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55	SiO ₂ -SnO ₂ Photonic Glass-Ceramics. , 2019, , .		1
56	Nanoparticles in Optical Waveguides: A Toolbox to Promote Lasers, Amplifiers and Sensors. , 2019, , .		0
57	Impact of grain size, Pr ³⁺ concentration and host composition on non-contact temperature sensing abilities of polyphosphate nano- and microcrystals. Journal of Rare Earths, 2019, 37, 812-818.	4.8	13
58	Optical, Dielectric and Magnetic Properties of La ^{1-x} NdxFeO ₃ Powders and Ceramics. Ceramics, 2019, 2, 1-12.	2.6	7
59	Low-Threshold Coherent Emission at 1.5 μm from Fully Er ³⁺ Doped Monolithic 1D Dielectric Microcavity Fabricated Using Radio Frequency Sputtering. Ceramics, 2019, 2, 74-85.	2.6	4
60	XPS Characterization of Materials for Photonic Applications. , 2019, , .		0
61	SiO ₂ -SnO ₂ transparent glass-ceramics activated by rare earth ions. , 2019, , .		4
62	Glass Nanospheres and Artificial Opals. , 2019, , 101-138.		0
63	DFT study of electron absorption and emission spectra of pyramidal LnPc(OAc) complexes of some lanthanide ions in the solid state. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 202-208.	3.9	8
64	Spherical nanoparticles of europium-doped silica-calcia glass and glass-ceramic: Spectroscopic characterization. Journal of Molecular Structure, 2018, 1166, 48-53.	3.6	15
65	Synthesis, structure and spectroscopic properties of luminescent GdVO ₄ :Dy ³⁺ and DyVO ₄ particles. Optical Materials, 2018, 76, 308-316.	3.6	25
66	Photonic band edge assisted spontaneous emission enhancement from all Er ³⁺ 1-D photonic band gap structure. Optical Materials, 2018, 80, 106-109.	3.6	10
67	Blue to NIR down-conversion in Tm ³⁺ /Yb ³⁺ -codoped fluorozirconate glasses compared to Pr ³⁺ /Yb ³⁺ ion-pair. Journal of Luminescence, 2018, 193, 22-28.	3.1	14
68	Effect of Modifiers on Optical and Structural Properties of Barium Gallo-Germanate Glasses Doped with RE Ions. , 2018, , .		0
69	2D Optical Gratings Based on Hexagonal Voids on Transparent Elastomeric Substrate. Micromachines, 2018, 9, 345.	2.9	14
70	Quasi-hemispherical voids micropatterned PDMS as strain sensor. Optical Materials, 2018, 86, 408-413.	3.6	8
71	Temperature behavior of graphene conductance induced by piezoelectric effect in a ferroelectric substrate. Journal of Applied Physics, 2018, 124, 084103.	2.5	5
72	Similarities and Differences between Silver Ions and Silver in Nanoforms as Antibacterial Agents. International Journal of Molecular Sciences, 2018, 19, 444.	4.1	307

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73	SiO ₂ -SnO ₂ :Er ³⁺ Glass-Ceramic Monoliths. Applied Sciences (Switzerland), 2018, 8, 1335.	2.5	22
74	Luminescent sol-gel-derived micro and nanoparticles. , 2018, , .		1
75	The bright white emission of $\hat{\mu}$ -diamonds. , 2018, , .		2
76	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2018, , 1607-1649.		0
77	SiO ₂ -SnO ₂ :Er ³⁺ transparent glass-ceramics: fabrication and photonic assessment. , 2018, , .		1
78	Spectroscopic properties of rare earth doped germanate glasses. , 2018, , .		0
79	One-dimensional disordered photonic structures with two or more materials. , 2018, , .		0
80	Glass photonic structures fabricated by sol-gel route. , 2018, , .		0
81	Synthesis, structure and spectroscopic assessment of luminescent GdVO ₄ :Dy ³⁺ and DyVO ₄ nanoparticles. , 2018, , .		1
82	Fabrication by rf-sputtering and assessment of dielectric Er ³⁺ doped monolithic 1-D microcavity for coherent emission at 1.5 μ m. , 2018, , .		0
83	Impact of the reverse cross-relaxation process on pumping efficiency in Tm-doped glass lasers materials. , 2018, , .		0
84	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.	3.6	12
85	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.	0.3	0
86	Glass and glass-ceramic photonic systems. , 2017, , .		2
87	Nanocrystalline lanthanide tetraphosphates: Energy transfer processes in samples co-doped with Pr ³⁺ /Yb ³⁺ and Tm ³⁺ /Yb ³⁺ . Optical Materials, 2017, 74, 159-165.	3.6	7
88	Gold nanoparticles 1D array as mechanochromic strain sensor. Materials Chemistry and Physics, 2017, 192, 94-99.	4.0	28
89	Structural, optical and phonon properties of formate-based MOF phosphors with ethylammonium cations. Physical Chemistry Chemical Physics, 2017, 19, 22733-22742.	2.8	5
90	Time-resolved photoluminescence studies in Eu-doped SiO ₂ -HfO ₂ -ZnO glass-ceramic waveguides. Ceramics International, 2017, 43, 1145-1149.	4.8	10

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91	Tin-dioxide nanocrystals as Er ³⁺ luminescence sensitizers: Formation of glass-ceramic thin films and their characterization. <i>Optical Materials</i> , 2017, 63, 95-100.	3.6	40
92	Tin dioxide based photonic systems. , 2017, , .		0
93	Determination of reverse cross-relaxation process constant in Tm-doped glass by ³ H ₄ fluorescence decay tail fitting. <i>Optical Materials Express</i> , 2017, 7, 3760.	3.0	10
94	Solâ€“Gel-Derived Glass-Ceramic Photorefractive Films for Photonic Structures. <i>Crystals</i> , 2017, 7, 61.	2.2	18
95	Dielectric multilayer structures fabricated by rf-sputtering. , 2017, , .		1
96	Glass based structures fabricated by rf-sputtering. , 2017, , .		0
97	Glass-based 1-D dielectric microcavities. <i>Optical Materials</i> , 2016, 61, 11-14.	3.6	5
98	Silver doping of silica-hafnia waveguides containing Tb ³⁺ /Yb ³⁺ rare earths for downconversion in PV solar cells. <i>Optical Materials</i> , 2016, 60, 264-269.	3.6	28
99	RF-sputtering derived phosphosilicate planar waveguides activated by Er ³⁺ ions. , 2016, , .		0
100	Rare-earth doped optical fibers with nano-phase glass-ceramic structures. , 2016, , .		2
101	Phosphate-based glasses and nanostructures. , 2016, , .		1
102	Antimicrobial graphene family materials: Progress, advances, hopes and fears. <i>Advances in Colloid and Interface Science</i> , 2016, 236, 101-112.	14.7	78
103	Graphene for white lighting. , 2016, , .		0
104	The influence of temperature, pressure and Ag doping on the physical properties of TiO ₂ nanoceramics. <i>Nanoscale</i> , 2016, 8, 19703-19713.	5.6	5
105	Effect of increasing temperature on the physical properties of nano-composite phospho-silicate. , 2016, , .		0
106	Structural and optical investigation of nanocrystalline lithium lanthanum praseodymium tetraphosphate powders. <i>Journal of Alloys and Compounds</i> , 2016, 687, 733-740.	5.5	10
107	Luminescence and structural analysis of Ce ³⁺ and Er ³⁺ doped and Ce ³⁺ â€“Er ³⁺ codoped Ca ₃ Sc ₂ Si ₃ O ₁₂ garnets: influence of the doping concentration in the energy transfer processes. <i>RSC Advances</i> . 2016. 6. 15054-15061.	3.6	11
108	Photoluminescence and lasing in whispering gallery mode glass microspherical resonators. <i>Journal of Luminescence</i> , 2016, 170, 755-760.	3.1	24

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109	New photosensitive nanometric graphite oxide composites as antimicrobial material with prolonged action. <i>Journal of Inorganic Biochemistry</i> , 2016, 159, 142-148.	3.5	25
110	Tb ³⁺ /Yb ³⁺ codoped silica-hafnia glass and glass-ceramic waveguides to improve the efficiency of photovoltaic solar cells. <i>Optical Materials</i> , 2016, 52, 62-68.	3.6	53
111	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2016, , 1-43.		3
112	Enhancing photovoltaic performance of silicon solar cells by rare earth doped glass ceramic. , 2015, , .		0
113	Thermo optical coefficient of tin-oxide films measured by ellipsometry. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	9
114	Photonic glass-ceramics: consolidated outcomes and prospects. , 2015, , .		4
115	Strain-sensitive photonic crystals for sensing applications in structural health monitoring. , 2015, , .		0
116	Optical field enhanced nonlinear absorption and optical limiting properties of 1-D dielectric photonic crystal with ZnO defect. <i>Optical Materials</i> , 2015, 50, 229-233.	3.6	45
117	Hybrid 1-D dielectric microcavity: Fabrication and spectroscopic assessment of glass-based sub-wavelength structures. <i>Ceramics International</i> , 2015, 41, 7429-7433.	4.8	22
118	Metal oxide one dimensional photonic crystals made by RF sputtering and spin coating. <i>Ceramics International</i> , 2015, 41, 8655-8659.	4.8	30
119	Structural and luminescence study of Ce ³⁺ and Tb ³⁺ doped Ca ₃ Sc ₂ Si ₃ O ₁₂ garnets obtained by freeze-drying synthesis method. <i>Optical Materials</i> , 2015, 46, 109-114.	3.6	16
120	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1
121	Sol-gel-derived photonic structures handling erbium ions luminescence. <i>Optical and Quantum Electronics</i> , 2015, 47, 117-124.	3.3	15
122	Erbium-Doped Tin-Silicate Sol-Gel-Derived Glass-Ceramic Thin Films: Effect of Environment Segregation on the Er ³⁺ Emission. <i>Science of Advanced Materials</i> , 2015, 7, 301-308.	0.7	19
123	Glass-based confined structures enabling light control. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
124	Red photonic glasses and confined structures. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2014, 62, 647-653.	0.8	0
125	Glass-based confined structures fabricated by sol-gel and radio frequency sputtering. <i>Optical Engineering</i> , 2014, 53, 071804.	1.0	1
126	Structural and spectroscopic properties of Eu ³⁺ -activated nanocrystalline tetraphosphates loaded in silica-hafnia thin film. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 32-35.	3.1	24

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127	Fiber coupled erbium doped microsphere: NIR and mid-IR wavelength ranges. , 2014, , .		0
128	Glass-ceramics for photonics: Advances and perspectives. , 2014, , .		3
129	Influence of phosphorous precursors on spectroscopic properties of Er ³⁺ -activated SiO ₂ -HfO ₂ -P ₂ O ₅ planar waveguides. Journal of Physics: Conference Series, 2014, 566, 012018.	0.4	5
130	Fabrication and Spectroscopic Assessment of Glass-Based Sub-Wavelength Structures for Hybrid 1-D Dielectric 633-nm Laser Microcavity. , 2014, , .		0
131	Optical pH detector based on LTCC and sol-gel technologies. Materials Science-Poland, 2013, 31, 115-121.	1.0	2
132	Bioactive glass nanoparticles obtained through sol-gel chemistry. Chemical Communications, 2013, 49, 6620.	4.1	67
133	Influence of terbium on structure and luminescence of nanocrystalline TiO ₂ thin films. Open Physics, 2013, 11, .	1.7	0
134	Glass-Based Sub-Wavelength Photonic Structures. , 2013, , .		0
135	Tuning luminescence properties of Eu ³⁺ doped CaAl ₂ O ₄ nanophosphores with Na ⁺ co-doping. Journal of Luminescence, 2013, 133, 102-109.	3.1	31
136	Anti-Stokes bright yellowish emission of NdAlO ₃ nanocrystals. Journal of Applied Physics, 2012, 111, .	2.5	61
137	Hydroxyapatites and Europium(III) Doped Hydroxyapatites as a Carrier of Silver Nanoparticles and Their Antimicrobial Activity. Journal of Biomedical Nanotechnology, 2012, 8, 605-612.	1.1	35
138	Comparative studies on structural and luminescent properties of Eu ³⁺ :MgAl ₂ O ₄ and Eu ³⁺ /Na ⁺ :MgAl ₂ O ₄ nanopowders and nanoceramics. Optical Materials, 2012, 35, 130-135.	3.6	29
139	Photopolymerized sol-gel optical layers deposited on LTCC substrates. , 2011, , .		0
140	Synthesis, Structure, and Optical Properties of LiEu(PO ₃) ₄ Nanoparticles. Inorganic Chemistry, 2011, 50, 1321-1330.	4.0	40
141	White emission of lithium ytterbium tetraphosphate nanocrystals. Optics Express, 2011, 19, 14083.	3.4	85
142	Bright upconversion emission of Nd ³⁺ in LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystalline powders. Optical Materials, 2011, 33, 1492-1494.	3.6	41
143	The effect of pumping power on fluorescence behavior of LiNdP ₄ O ₁₂ nanocrystals. Optical Materials, 2011, 33, 1097-1101.	3.6	32
144	Spectroscopic properties of Yb ³⁺ -doped Y ₃ Al ₅ O ₁₂ nano-ceramics obtained under different sintering pressures. Radiation Measurements, 2010, 45, 304-306.	1.4	18

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145	Synthesis and luminescence properties of $\text{LiLa}_{1-x}\text{Nd}_x\text{P}_4\text{O}_{12}$ nanocrystals. <i>Optical Materials</i> , 2010, 33, 131-135.	3.6	27
146	IR and Raman spectroscopy study of YAG nanoceramics. <i>Chemical Physics Letters</i> , 2010, 494, 279-283.	2.6	49
147	Synthesis and Optical Properties of Eu^{3+} Ion Doped Nanocrystalline Hydroxyapatites. <i>Spectroscopy Letters</i> , 2010, 43, 333-342.	1.0	16
148	Sensing abilities of materials prepared by sol-gel technology. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 201-215.	2.4	45
149	Synthesis, structure and luminescence properties of $\text{KEu}_{0.01}\text{Gd}_{0.19}\text{Yb}_{0.8}(\text{WO}_4)_2$ powder. <i>Journal of Rare Earths</i> , 2009, 27, 564-568.	4.8	16
150	The f^{f} Emission of Pr^{3+} Ion as an Optical Probe for the Structural Properties of YAG Nanoceramics. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6315-6319.	0.9	17
151	Active Sol-Gel Materials. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008, , 125-137.	0.2	2
152	Sol-gel-based optical waveguides on LTCC substrates. , 2008, , .		1
153	Novel Carbon-Cage-Based Ultralow- κ Materials: Modeling and First Experiments. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2008, 21, 646-660.	1.7	10
154	Fabrication and measurements of sol-gel planar and stripe waveguides in LTCC structure. , 2007, , .		0
155	Application of a titania thin film for the discrimination between diesel fuel and heating oil. <i>Thin Solid Films</i> , 2007, 515, 7005-7010.	1.8	6
156	SiO_2 - TiO_2 Thin Film for Integrated Optics Fabricated by the Sol-Gel Technique. , 2006, , .		2
157	Synthesis and luminescence properties of Eu^{3+} -doped LaAlO_3 nanocrystals. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 828-830.	5.5	50
158	Optical properties of $\text{SiO}_2/\text{TiO}_2$ thin film waveguides obtained by the sol-gel method and their applications for sensing purposes. <i>Optical Materials</i> , 2005, 27, 1501-1505.	3.6	47
159	Influence of gamma radiation on neodymium bisphthalocyanine. <i>Optical Materials</i> , 2004, 26, 163-166.	3.6	3
160	Glass-Based Photonic Crystals: From Fabrication to Applications. <i>Advances in Science and Technology</i> , 0, , .	0.2	0