

Anna Āukowiak

List of Publications by Year in descending order

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160
papers

2,262
citations

201674

27
h-index

265206

42
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166
all docs

166
docs citations

166
times ranked

2987
citing authors

#	ARTICLE	IF	CITATIONS
1	Similarities and Differences between Silver Ions and Silver in Nanoforms as Antibacterial Agents. International Journal of Molecular Sciences, 2018, 19, 444.	4.1	307
2	White emission of lithium ytterbium tetrphosphate nanocrystals. Optics Express, 2011, 19, 14083.	3.4	85
3	Antimicrobial graphene family materials: Progress, advances, hopes and fears. Advances in Colloid and Interface Science, 2016, 236, 101-112.	14.7	78
4	Bioactive glass nanoparticles obtained through sol-gel chemistry. Chemical Communications, 2013, 49, 6620.	4.1	67
5	Anti-Stokes bright yellowish emission of NdAlO ₃ nanocrystals. Journal of Applied Physics, 2012, 111, .	2.5	61
6	Possible electrochemical origin of ferroelectricity in HfO ₂ thin films. Journal of Alloys and Compounds, 2020, 830, 153628.	5.5	57
7	Tb ³⁺ /Yb ³⁺ codoped silica-hafnia glass and glass-ceramic waveguides to improve the efficiency of photovoltaic solar cells. Optical Materials, 2016, 52, 62-68.	3.6	53
8	Synthesis and luminescence properties of Eu ³⁺ -doped LaAlO ₃ nanocrystals. Journal of Alloys and Compounds, 2006, 408-412, 828-830.	5.5	50
9	IR and Raman spectroscopy study of YAG nanoceramics. Chemical Physics Letters, 2010, 494, 279-283.	2.6	49
10	Optical properties of SiO ₂ -TiO ₂ thin film waveguides obtained by the sol-gel method and their applications for sensing purposes. Optical Materials, 2005, 27, 1501-1505.	3.6	47
11	Sensing abilities of materials prepared by sol-gel technology. Journal of Sol-Gel Science and Technology, 2009, 50, 201-215.	2.4	45
12	Optical field enhanced nonlinear absorption and optical limiting properties of 1-D dielectric photonic crystal with ZnO defect. Optical Materials, 2015, 50, 229-233.	3.6	45
13	Bright upconversion emission of Nd ³⁺ in LiLa _{1-x} NdxP ₄ O ₁₂ nanocrystalline powders. Optical Materials, 2011, 33, 1492-1494.	3.6	41
14	Synthesis, Structure, and Optical Properties of LiEu(PO ₃) ₄ Nanoparticles. Inorganic Chemistry, 2011, 50, 1321-1330.	4.0	40
15	Tin-dioxide nanocrystals as Er ³⁺ luminescence sensitizers: Formation of glass-ceramic thin films and their characterization. Optical Materials, 2017, 63, 95-100.	3.6	40
16	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
17	From flexible electronics to flexible photonics: A brief overview. Optical Materials, 2021, 115, 111011.	3.6	34
18	Optical properties of Nd ³⁺ -doped phosphate glasses. Optical Materials, 2020, 99, 109591.	3.6	33

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19	The effect of pumping power on fluorescence behavior of LiNdP4O12 nanocrystals. <i>Optical Materials</i> , 2011, 33, 1097-1101.	3.6	32
20	Nanoscale ferroelectricity in pseudo-cubic sol-gel derived barium titanate - bismuth ferrite (BaTiO3) Tj ETQq0 0 0 ggBT /Overlock 10 T	3.9	32
21	Tuning luminescence properties of Eu3+ doped CaAl2O4 nanophosphores with Na+ co-doping. <i>Journal of Luminescence</i> , 2013, 133, 102-109.	3.1	31
22	Metal oxide one dimensional photonic crystals made by RF sputtering and spin coating. <i>Ceramics International</i> , 2015, 41, 8655-8659.	4.8	30
23	Comparative studies on structural and luminescent properties of Eu3+:MgAl2O4 and Eu3+/Na+:MgAl2O4 nanopowders and nanoceramics. <i>Optical Materials</i> , 2012, 35, 130-135.	3.6	29
24	Photonic Crystal Stimuli-Responsive Chromatic Sensors: A Short Review. <i>Micromachines</i> , 2020, 11, 290.	2.9	29
25	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
26	Gold nanoparticles 1D array as mechanochromic strain sensor. <i>Materials Chemistry and Physics</i> , 2017, 192, 94-99.	4.0	28
27	Synthesis and luminescence properties of LiLa1-xNdxP4O12 nanocrystals. <i>Optical Materials</i> , 2010, 33, 131-135.	3.6	27
28	Coherent emission from fully Er3+ doped monolithic 1-D dielectric microcavity fabricated by rf-sputtering. <i>Optical Materials</i> , 2019, 87, 107-111.	3.6	27
29	Patterns of Oral Microbiota in Patients with Apical Periodontitis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2707.	2.4	26
30	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
31	Synthesis, structure and spectroscopic properties of luminescent GdVO4:Dy3+ and DyVO4 particles. <i>Optical Materials</i> , 2018, 76, 308-316.	3.6	25
32	Structural and spectroscopic properties of Eu3+-activated nanocrystalline tetraphosphates loaded in silica-hafnia thin film. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 32-35.	3.1	24
33	Photoluminescence and lasing in whispering gallery mode glass microspherical resonators. <i>Journal of Luminescence</i> , 2016, 170, 755-760.	3.1	24
34	Upconversion Luminescence of Silica-Calcia Nanoparticles Co-doped with Tm3+ and Yb3+ Ions. <i>Materials</i> , 2021, 14, 937.	2.9	23
35	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
36	SiO2-SnO2:Er3+ Glass-Ceramic Monoliths. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1335.	2.5	22

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37	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
38	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
39	Spectroscopic properties of Yb ³⁺ -doped Y ₃ Al ₅ O ₁₂ nano-ceramics obtained under different sintering pressures. <i>Radiation Measurements</i> , 2010, 45, 304-306.	1.4	18
40	Sol-Gel-Derived Glass-Ceramic Photorefractive Films for Photonic Structures. <i>Crystals</i> , 2017, 7, 61.	2.2	18
41	The 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
42	Rare earth elements and urban mines: Critical strategies for sustainable development. <i>Ceramics International</i> , 2020, 46, 26247-26250.	4.8	17
43	Assessment of SnO ₂ -nanocrystal-based luminescent glass-ceramic waveguides for integrated photonics. <i>Ceramics International</i> , 2021, 47, 5534-5541.	4.8	17
44	Synthesis, structure and luminescence properties of KEu _{0.01} Gd _{0.19} Yb _{0.8} (WO ₄) ₂ powder. <i>Journal of Rare Earths</i> , 2009, 27, 564-568.	4.8	16
45	Synthesis and Optical Properties of Eu ³⁺ Ion Doped Nanocrystalline Hydroxyapatites. <i>Spectroscopy Letters</i> , 2010, 43, 333-342.	1.0	16
46	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
47	A Facile Synthesis and Characterization of Highly Crystalline Submicro-Sized BiFeO ₃ . <i>Materials</i> , 2020, 13, 3035.	2.9	16
48	Sol-gel-derived photonic structures handling erbium ions luminescence. <i>Optical and Quantum Electronics</i> , 2015, 47, 117-124.	3.3	15
49	Spherical nanoparticles of europium-doped silica-calcia glass and glass-ceramic: Spectroscopic characterization. <i>Journal of Molecular Structure</i> , 2018, 1166, 48-53.	3.6	15
50	Blue to NIR down-conversion in Tm ³⁺ /Yb ³⁺ -codoped fluorozirconate glasses compared to Pr ³⁺ /Yb ³⁺ ion-pair. <i>Journal of Luminescence</i> , 2018, 193, 22-28.	3.1	14
51	2D Optical Gratings Based on Hexagonal Voids on Transparent Elastomeric Substrate. <i>Micromachines</i> , 2018, 9, 345.	2.9	14
52	Consequences Of Long-Term Bacteria's Exposure To Silver Nanoformulations With Different PhysicoChemical Properties. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 199-213.	6.7	14
53	Impact of grain size, Pr ³⁺ concentration and host composition on non-contact temperature sensing abilities of polyphosphate nano- and microcrystals. <i>Journal of Rare Earths</i> , 2019, 37, 812-818.	4.8	13
54	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

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55	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. <i>Optical Materials</i> , 2017, 63, 153-157.	3.6	12
56	Luminescence and structural analysis of Ce ³⁺ and Er ³⁺ doped and Ce ³⁺ -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
57	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
58	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
59	Time-resolved photoluminescence studies in Eu-doped SiO ₂ -HfO ₂ -ZnO glass-ceramic waveguides. <i>Ceramics International</i> , 2017, 43, 1145-1149.	4.8	10
60	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
61	Photonic band edge assisted spontaneous emission enhancement from all Er ³⁺ 1-D photonic band gap structure. <i>Optical Materials</i> , 2018, 80, 106-109.	3.6	10
62	Ferromagnetic-like behavior of Bi _{0.9} La _{0.1} FeO ₃ -KBr nanocomposites. <i>Scientific Reports</i> , 2019, 9, 10417.	3.3	10
63	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
64	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
65	Thermo optical coefficient of tin-oxide films measured by ellipsometry. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	9
66	Structural and Functional Properties of Fluorinated Silica Hybrid Barrier Layers on Flexible Polymeric Foil. <i>Coatings</i> , 2021, 11, 573.	2.6	9
67	DFT study of electron absorption and emission spectra of pyramidal LnPc(OAc) complexes of some lanthanide ions in the solid state. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 202-208.	3.9	8
68	Quasi-hemispherical voids micropatterned PDMS as strain sensor. <i>Optical Materials</i> , 2018, 86, 408-413.	3.6	8
69	Modification of insulin amyloid aggregation by Zr phthalocyanines functionalized with dehydroacetic acid derivatives. <i>PLoS ONE</i> , 2021, 16, e0243904.	2.5	8
70	Nanocrystalline lanthanide tetraphosphates: Energy transfer processes in samples co-doped with Pr ³⁺ /Yb ³⁺ and Tm ³⁺ /Yb ³⁺ . <i>Optical Materials</i> , 2017, 74, 159-165.	3.6	7
71	Optical, Dielectric and Magnetic Properties of La _{1-x} NdxFeO ₃ Powders and Ceramics. <i>Ceramics</i> , 2019, 2, 1-12.	2.6	7
72	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

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73	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
74	Eu ³⁺ as a Powerful Structural and Spectroscopic Tool for Glass Photonics. <i>Materials</i> , 2022, 15, 1847.	2.9	7
75	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
76	Light-Activated Zirconium(IV) Phthalocyanine Derivatives Linked to Graphite Oxide Flakes and Discussion on Their Antibacterial Activity. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4447.	2.5	6
77	Synthesis, Spectroscopic Characterization and Photoactivity of Zr(IV) Phthalocyanines Functionalized with Aminobenzoic Acids and Their GO-Based Composites. <i>Journal of Carbon Research</i> , 2020, 6, 1.	2.7	6
78	Solvothermally-derived nanoglass as a highly bioactive material. <i>Nanoscale</i> , 2022, 14, 5514-5528.	5.6	6
79	Influence of phosphorous precursors on spectroscopic properties of Er ³⁺ -activated SiO ₂ -HfO ₂ -P ₂ O ₅ planar waveguides. <i>Journal of Physics: Conference Series</i> , 2014, 566, 012018.	0.4	5
80	Glass-based 1-D dielectric microcavities. <i>Optical Materials</i> , 2016, 61, 11-14.	3.6	5
81	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
82	Structural, optical and phonon properties of formate-based MOF phosphors with ethylammonium cations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22733-22742.	2.8	5
83	Temperature behavior of graphene conductance induced by piezoelectric effect in a ferroelectric substrate. <i>Journal of Applied Physics</i> , 2018, 124, 084103.	2.5	5
84	Glass ceramics for frequency conversion. , 2020, , 391-414.		5
85	Oxygen barrier enhancement of polymeric foil by sol-gel-derived hybrid silica layers. <i>Polymer</i> , 2020, 195, 122437.	3.8	5
86	(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
87	Sol-gel-derived transparent glass-ceramics for photonics. <i>Optical Materials</i> , 2022, 130, 112577.	3.6	5
88	Photonic glass-ceramics: consolidated outcomes and prospects. , 2015, , .		4
89	Low-Threshold Coherent Emission at 1.5 μm from Fully Er ³⁺ Doped Monolithic 1D Dielectric Microcavity Fabricated Using Radio Frequency Sputtering. <i>Ceramics</i> , 2019, 2, 74-85.	2.6	4
90	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

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91	Tm ³⁺ :KY(WO ₄) ₂ single crystals: Controlled growth and spectroscopic assessment. Optical Materials, 2021, 120, 111451.	3.6	4
92	SiO ₂ -SnO ₂ transparent glass-ceramics activated by rare earth ions. , 2019, , .		4
93	Influence of gamma radiation on neodymium bisphthalocyanine. Optical Materials, 2004, 26, 163-166.	3.6	3
94	Glass-ceramics for photonics: Advances and perspectives. , 2014, , .		3
95	SiO ₂ -SnO ₂ :Er ³⁺ planar waveguides: Highly photorefractive glass-ceramics. Optical Materials: X, 2020, 7, 100056.	0.8	3
96	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2016, , 1-43.		3
97	Flexible photonics: RF-sputtering fabrication of glass-based systems operating under mechanical deformation conditions. , 2020, , .		3
98	SiO ₂ - TiO ₂ Thin Film for Integrated Optics Fabricated by the Sol-Gel Technique. , 2006, , .		2
99	Active Sol-Gel Materials. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 125-137.	0.2	2
100	Optical pH detector based on LTCC and sol-gel technologies. Materials Science-Poland, 2013, 31, 115-121.	1.0	2
101	Rare-earth doped optical fibers with nano-phase glass-ceramic structures. , 2016, , .		2
102	Glass and glass-ceramic photonic systems. , 2017, , .		2
103	Analytical modelling of Tm-doped tellurite glass including cross-relaxation process. Optical Materials, 2019, 87, 29-34.	3.6	2
104	The Impact of Graphite Oxide Nanocomposites on the Antibacterial Activity of Serum. International Journal of Molecular Sciences, 2021, 22, 7386.	4.1	2
105	The bright white emission of $\hat{\mu}$ -diamonds. , 2018, , .		2
106	Photonic glass ceramics based on SnO ₂ nanocrystals: advances and perspectives. , 2020, , .		2
107	Sol-gel-based optical waveguides on LTCC substrates. , 2008, , .		1
108	Glass-based confined structures fabricated by sol-gel and radio frequency sputtering. Optical Engineering, 2014, 53, 071804.	1.0	1

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109	Glass-ceramics for photonics: Laser material processing. , 2015, , .		1
110	Phosphate-based glasses and nanostructures. , 2016, , .		1
111	Dielectric multilayer structures fabricated by rf-sputtering. , 2017, , .		1
112	RF-Sputtering Technique for Fabrication of Dielectric Multilayer Structures with Low-Threshold Coherent Emission at 1.5 μm . , 2019, , .		1
113	SiO ₂ -SnO ₂ Photonic Glass-Ceramics. , 2019, , .		1
114	Modification of the Near-Infrared Spontaneous Emission in Er ³⁺ -Activated Inverse Silica Opals. Physica Status Solidi (B): Basic Research, 2020, 257, 1900476.	1.5	1
115	Flexible Photonics: Where Are We Now?. , 2020, , .		1
116	Increased Low-Temperature Magnetization and Spin-Reorientational Transition in the Polar Phase of (Ca, Mn)-Doped Bismuth Ferrites. Physica Status Solidi (B): Basic Research, 2020, 257, 2000121.	1.5	1
117	Flexible photonics: transform rigid materials into mechanically flexible and optically functional systems. , 2021, , .		1
118	Perspectives of using photodynamic therapy as antimicrobial therapy in endodontics. Reviews in Medical Microbiology, 2021, Publish Ahead of Print, .	0.9	1
119	Composite based on graphite oxide, metallic silver and zirconium phthalocyanine coordinated by out-of-plane arginate ligands as photoactive antibacterial additive to endodontic cement. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113432.	3.9	1
120	Luminescent sol-gel-derived micro and nanoparticles. , 2018, , .		1
121	SiO ₂ -SnO ₂ :Er ³⁺ transparent glass-ceramics: fabrication and photonic assessment. , 2018, , .		1
122	Synthesis, structure and spectroscopic assessment of luminescent GdVO ₄ :Dy ³⁺ and DyVO ₄ nanoparticles. , 2018, , .		1
123	Spectral and time-resolved analysis of rare earth-doped SnO ₂ emission. , 2020, , .		1
124	Design and fabrication of multilayer-driven optomechanical device for force and vibration sensing. , 2020, , .		1
125	Design of active devices based on rare-earth-doped glass/glass ceramic: from the material characterization to the device parameter refinement. , 2020, , .		1
126	Effect of ZnO on sol-gel glass properties toward (bio)application. Polyhedron, 2022, 223, 115952.	2.2	1

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127	Fabrication and measurements of sol-gel planar and stripe waveguides in LTCC structure. , 2007, , .		0
128	Photopolymerized sol-gel optical layers deposited on LTCC substrates. , 2011, , .		0
129	Influence of terbium on structure and luminescence of nanocrystalline TiO ₂ thin films. Open Physics, 2013, 11, .	1.7	0
130	Glass-Based Sub-Wavelength Photonic Structures. , 2013, , .		0
131	Red photonic glasses and confined structures. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 647-653.	0.8	0
132	Glass-Based Photonic Crystals: From Fabrication to Applications. Advances in Science and Technology, 0, , .	0.2	0
133	Fiber coupled erbium doped microsphere: NIR and mid-IR wavelength ranges. , 2014, , .		0
134	Enhancing photovoltaic performance of silicon solar cells by rare earth doped glass ceramic. , 2015, , .		0
135	Strain-sensitive photonic crystals for sensing applications in structural health monitoring. , 2015, , .		0
136	RF-sputtering derived phosphosilicate planar waveguides activated by Er ³⁺ ions. , 2016, , .		0
137	Graphene for white lighting. , 2016, , .		0
138	Effect of increasing temperature on the physical properties of nano-composite phospho-silicate. , 2016, , .		0
139	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
140	Tin dioxide based photonic systems. , 2017, , .		0
141	Effect of Modifiers on Optical and Structural Properties of Barium Gallo-Germanate Glasses Doped with RE Ions. , 2018, , .		0
142	Nanoparticles in Optical Waveguides: A Toolbox to Promote Lasers, Amplifiers and Sensors. , 2019, , .		0
143	XPS Characterization of Materials for Photonic Applications. , 2019, , .		0
144	Photonic glass systems fabricated by RF sputtering on flexible substrates. , 2021, , .		0

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145	Fabrication and Spectroscopic Assessment of Glass-Based Sub-Wavelength Structures for Hybrid 1-D Dielectric 633-nm Laser Microcavity. , 2014, , .		0
146	Glass-based confined structures enabling light control. AIP Conference Proceedings, 2015, , .	0.4	0
147	Glass based structures fabricated by rf-sputtering. , 2017, , .		0
148	Active Sol-Gel Materials, Fluorescence Spectra, and Lifetimes. , 2018, , 1607-1649.		0
149	Spectroscopic properties of rare earth doped germanate glasses. , 2018, , .		0
150	One-dimensional disordered photonic structures with two or more materials. , 2018, , .		0
151	Glass photonic structures fabricated by sol-gel route. , 2018, , .		0
152	Fabrication by rf-sputtering and assessment of dielectric Er ³⁺ doped monolithic 1-D microcavity for coherent emission at 1.5 μm . , 2018, , .		0
153	Impact of the reverse cross-relaxation process on pumping efficiency in Tm-doped glass lasers materials. , 2018, , .		0
154	Glass Nanospheres and Artificial Opals. , 2019, , 101-138.		0
155	Optical, structure and dielectric properties of Er ³⁺ ions doped Al-Na-K-Ba phosphate glasses. Egyptian Journal of Chemistry, 2020, .	0.2	0
156	3D-photonic crystals: Opal structures. , 2020, , 113-144.		0
157	Modeling and parameter recovering of rare-earth-doped/co-doped glass and glass ceramics optical devices. , 2020, , .		0
158	Flexible sol-gel coatings on polymeric and metallic materials. , 2020, , .		0
159	Enhanced photorefractivity and rare-earth photoluminescence in SnO ₂ nanocrystals-based photonic glass-ceramics. EPJ Web of Conferences, 2021, 255, 05001.	0.3	0
160	Novel CaOâ€“SiO ₂ â€“P ₂ O ₅ Nanobioglass Activated with Hafnium Phthalocyanine. Nanomaterials, 2022, 12, 1719.	4.1	0