

Maximo Siu Li

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L-index

#	Paper	IF	Citations
177	Effect of Different Solvent Ratios (Water/Ethylene Glycol) on the Growth Process of CaMoO ₄ Crystals and Their Optical Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 4752-4768	3.5	186
176	Electronic structure, growth mechanism and photoluminescence of CaWO ₄ crystals. <i>CrystEngComm</i> , 2012 , 14, 853-868	3.3	174
175	Morphology and Blue Photoluminescence Emission of PbMoO ₄ Processed in Conventional Hydrothermal. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5812-5822	3.8	156
174	Cluster coordination and photoluminescence properties of HAg ₂ WO ₄ microcrystals. <i>Inorganic Chemistry</i> , 2012 , 51, 10675-87	5.1	143
173	Electronic structure and optical properties of BaMoO ₄ powders. <i>Current Applied Physics</i> , 2010 , 10, 614-624	3.6	130
172	Hierarchical Assembly of CaMoO ₄ Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5207-5219	3.8	113
171	Experimental and theoretical investigations of electronic structure and photoluminescence properties of HAg ₂ MoO ₄ microcrystals. <i>Inorganic Chemistry</i> , 2014 , 53, 5589-99	5.1	101
170	Zinc blende versus wurtzite ZnS nanoparticles: control of the phase and optical properties by tetrabutylammonium hydroxide. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20127-37	3.6	82
169	Optical and dielectric relaxor behaviour of Ba(Zr _{0.25} Ti _{0.75})O ₃ ceramic explained by means of distorted clusters. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 175414	3	82
168	Synthesis of wurtzite ZnS nanoparticles using the microwave assisted solvothermal method. <i>Journal of Alloys and Compounds</i> , 2013 , 556, 153-159	5.7	78
167	Structural refinement, optical and microwave dielectric properties of BaZrO ₃ . <i>Ceramics International</i> , 2012 , 38, 2129-2138	5.1	75
166	Microstructure, dielectric properties and optical band gap control on the photoluminescence behavior of Ba[Zr _{0.25} Ti _{0.75}]O ₃ thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 49, 35-46	2.3	75
165	Presence of excited electronic state in CaWO ₄ crystals provoked by a tetrahedral distortion: An experimental and theoretical investigation. <i>Journal of Applied Physics</i> , 2011 , 110, 043501	2.5	74
164	Structure and optical properties of [Ba _{1-x} Y _{2x/3}](Zr _{0.25} Ti _{0.75})O ₃ powders. <i>Solid State Sciences</i> , 2010 , 12, 1160-1167	3.4	74
163	A relationship between structural and electronic order-disorder effects and optical properties in crystalline TiO ₂ nanomaterials. <i>Dalton Transactions</i> , 2015 , 44, 3159-75	4.3	73
162	Structural refinement, growth process, photoluminescence and photocatalytic properties of (Ba _{1-x} Pr _{2x/3})WO ₄ crystals synthesized by the coprecipitation method. <i>RSC Advances</i> , 2012 , 2, 6438	3.7	72
161	A combined theoretical and experimental study of electronic structure and optical properties of HZnMoO ₄ microcrystals. <i>Polyhedron</i> , 2013 , 54, 13-25	2.7	65

160	EuMoO ₄ microcrystals synthesized by the surfactant-assisted hydrothermal method: Growth process and photoluminescence properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 396, 346-351	5.1	59
159	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 253-258	5.7	59
158	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO ₄ crystals. <i>Polyhedron</i> , 2013 , 50, 532-545	2.7	57
157	Identifying and rationalizing the morphological, structural, and optical properties of [Formula: see text]-AgMoO microcrystals, and the formation process of Ag nanoparticles on their surfaces: combining experimental data and first-principles calculations. <i>Science and Technology of Advanced Materials</i> , 2015 , 16, 065002	7.1	52
156	Optical and ESR study of Er ³⁺ in LiNbO ₃ . <i>Physical Review B</i> , 1995 , 51, 3206-3209	3.3	50
155	Blue-green and red photoluminescence in CaTiO ₃ :Sm. <i>Journal of Luminescence</i> , 2007 , 126, 403-407	3.8	49
154	Intense violet/blue photoluminescence in BaZrO ₃ powders: A theoretical and experimental investigation of structural order/disorder. <i>Optics Communications</i> , 2008 , 281, 3715-3720	2	48
153	Structural evolution of Eu-doped hydroxyapatite nanorods monitored by photoluminescence emission. <i>Journal of Alloys and Compounds</i> , 2012 , 531, 50-54	5.7	47
152	Synthesis of (Ca,Nd)TiO ₃ powders by complex polymerization, Rietveld refinement and optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 1050-9	4.4	44
151	SnO ₂ nanocrystals synthesized by microwave-assisted hydrothermal method: towards a relationship between structural and optical properties. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	42
150	Photoluminescence property of powders prepared by solid state reaction and polymeric precursor method. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3341-3347	2.8	42
149	Off-Center Cu ⁺ Ions in Potassium Halides Studied with Ionic Thermocurrents. <i>Physical Review B</i> , 1973 , 7, 4677-4682	3.3	41
148	White photoluminescence emission from ZrO ₂ co-doped with Eu ³⁺ , Tb ³⁺ and Tm ³⁺ . <i>Journal of Alloys and Compounds</i> , 2016 , 674, 245-251	5.7	39
147	Structural evolution, growth mechanism and photoluminescence properties of CuWO nanocrystals. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 256-270	8.9	38
146	Urea-Based Synthesis of Zinc Oxide Nanostructures at Low Temperature. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7	3.2	38
145	Rietveld refinement, morphology and optical properties of (Ba _{1-x} Sr _x)MoO ₄ crystals. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1434-1446	3.8	37
144	EPR, optical absorption and luminescence studies of Cr ³⁺ -doped antimony phosphate glasses. <i>Optical Materials</i> , 2014 , 38, 119-125	3.3	37
143	An Experimental and Computational Study of AgVO ₃ : Optical Properties and Formation of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12254-12264	3.8	37

142	Structural Refinement and Photoluminescence Properties of MnWO ₄ Nanorods Obtained by Microwave-Hydrothermal Synthesis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 264-271	3.2	36
141	Photoluminescent properties of ZrO ₂ : Tm ³⁺ , Tb ³⁺ , Eu ³⁺ powders: A combined experimental and theoretical study. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 3094-3103	5.7	36
140	Hierarchical growth of ZnO nanorods over SnO ₂ seed layer: insights into electronic properties from photocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 2112-2118	3.7	35
139	Preparation and photoluminescence characteristics of In(OH) ₃ :xTb ³⁺ obtained by Microwave-Assisted Hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2013 , 553, 338-342	5.7	31
138	Effect of different surfactants on the shape, growth and photoluminescence behavior of MnWO ₄ crystals synthesized by the microwave-hydrothermal method. <i>Advanced Powder Technology</i> , 2012 , 23, 124-128	4.6	30
137	A new processing method of CaZn ₂ (OH) ₆ ·2H ₂ O powders: Photoluminescence and growth mechanism. <i>Solid State Sciences</i> , 2009 , 11, 2173-2179	3.4	29
136	Electron scattering and effects of sources of light on photoconductivity of SnO ₂ coatings prepared by sol-gel. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 171-175	3.9	29
135	Understanding the White-Emitting CaMoO ₄ Co-Doped Eu ³⁺ , Tb ³⁺ , and Tm ³⁺ Phosphor through Experiment and Computation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18536-18550	3.8	27
134	Photoluminescent behavior of SrZrO ₃ /SrTiO ₃ multilayer thin films. <i>Chemical Physics Letters</i> , 2009 , 473, 293-298	2.5	27
133	Above bandgap induced photoexpansion and photobleaching in Ga ₂ Ge ₃ based glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 284, 282-287	3.9	27
132	Structure, morphology and photoluminescence emissions of ZnMoO ₄ : RE ³⁺ =Tb ³⁺ - Tm ³⁺ - X Eu ³⁺ (X= 1, 1.5, 2, 2.5 and 3 mol%) particles obtained by the sonochemical method. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 55-70	5.7	26
131	Correlation between structural and electronic order-disorder effects and optical properties in ZnO nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10164-10174	7.1	26
130	Effect of partial preferential orientation and distortions in octahedral clusters on the photoluminescence properties of FeWO ₄ nanocrystals. <i>CrystEngComm</i> , 2012 , 14, 7127	3.3	26
129	Luminescence and structure of Er ³⁺ doped Zirconia films deposited by electron beam evaporation. <i>Thin Solid Films</i> , 2002 , 418, 222-227	2.2	26
128	Crystal growth and photoluminescence of europium-doped strontium titanate prepared by a microwave hydrothermal method. <i>Ceramics International</i> , 2015 , 41, 3549-3554	5.1	25
127	Local electronic structure, optical bandgap and photoluminescence (PL) properties of Ba(Zr _{0.75} Ti _{0.25})O ₃ powders. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1035-1045	4.3	25
126	Indium hydroxide nanocubes and microcubes obtained by microwave-assisted hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2010 , 497, L25-L28	5.7	25
125	The influence of oxygen in the photoexpansion of GaGeS glasses. <i>Applied Surface Science</i> , 2003 , 205, 143-150	6.7	25

124	Investigation of structural and optical properties of CaTiO ₃ powders doped with Mg ²⁺ and Eu ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 265-275	5.7	24
123	Effect of process parameters on photophysical properties and barium molybdate phosphors characteristics. <i>Ceramics International</i> , 2014 , 40, 6719-6729	5.1	24
122	Joint experimental and theoretical analysis of order-disorder effects in cubic BaZrO ₃ assembled nanoparticles under decaoctahedral shape. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 4482-90	2.8	24
121	Photoluminescence properties of (Eu, Tb, Tm) co-doped PbMoO ₄ obtained by sonochemical synthesis. <i>Journal of Alloys and Compounds</i> , 2017 , 700, 130-137	5.7	22
120	Improved Conductivity Induced by Photodesorption in SnO ₂ Thin Films Grown by a Sol-Gel Dip Coating Technique. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 793-798	2.3	22
119	Light-induced relief gratings and a mechanism of metastable light-induced expansion in chalcogenide glasses. <i>Physical Review B</i> , 2001 , 63,	3.3	22
118	Electrosteric colloidal stabilization for obtaining SrTiO ₃ /TiO ₂ heterojunction: Microstructural evolution in the interface and photonics properties. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1621-1631	6	21
117	Structural properties and self-activated photoluminescence emissions in hydroxyapatite with distinct particle shapes. <i>Ceramics International</i> , 2018 , 44, 236-245	5.1	21
116	Optical multi-sites of Nd ³⁺ -doped CaMoO ₄ induced by Nb ⁵⁺ charge compensator. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 7883-7892	1.8	21
115	Improved laser-heated pedestal growth system for crystal growth in medium and high isostatic pressure environment. <i>Review of Scientific Instruments</i> , 1999 , 70, 4606-4608	1.7	21
114	Improved photoluminescence emission and gas sensor properties of ZnO thin films. <i>Ceramics International</i> , 2016 , 42, 13555-13561	5.1	21
113	Photoluminescence and photocatalytic properties of Ag/AgCl synthesized by sonochemistry: statistical experimental design. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12273-12281	2.1	20
112	Effect of different strontium precursors on the growth process and optical properties of SrWO ₄ microcrystals. <i>Journal of Materials Science</i> , 2015 , 50, 8089-8103	4.3	20
111	Near-infrared light emission of Er ³⁺ -doped zirconium oxide thin films: An optical, structural and XPS study. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 800-806	5.7	20
110	A joint experimental and theoretical study on the electronic structure and photoluminescence properties of Al ₂ (WO ₄) ₃ powders. <i>Journal of Molecular Structure</i> , 2015 , 1081, 381-388	3.4	18
109	Structural characterization and photoluminescence behavior of pure and doped potassium strontium niobates ceramics with tetragonal tungsten bronze structure. <i>Ceramics International</i> , 2016 , 42, 4709-4714	5.1	18
108	One-step synthesis of CaMoO ₄ : Eu ³⁺ nanospheres by ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 16867-16879	2.1	18
107	Very Intense Distinct Blue and Red Photoluminescence Emission in MgTiO ₃ Thin Films Prepared by the Polymeric Precursor Method: An Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15557-15567	3.8	18

106	Photoreflectance measurements on Si doped GaAs samples grown by molecular-beam epitaxy. <i>Journal of Applied Physics</i> , 1990 , 67, 4149-4151	2.5	18
105	Photolumiscent properties of nanorods and nanoplates Y2O3:Eu3+. <i>Journal of Fluorescence</i> , 2011 , 21, 1431-8	2.4	17
104	A novel approach to obtain highly intense self-activated photoluminescence emissions in hydroxyapatite nanoparticles. <i>Journal of Solid State Chemistry</i> , 2017 , 249, 64-69	3.3	16
103	Towards controlled synthesis and better understanding of blue shift of the CaS crystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2743	7.1	16
102	Influence of the network modifier on the characteristics of MSnO3 (M=Sr and Ca) thin films synthesized by chemical solution deposition. <i>Journal of Solid State Chemistry</i> , 2013 , 199, 34-41	3.3	16
101	Structural investigation and improvement of photoluminescence properties in Ba(ZrxTi1-x)O3 powders synthesized by the solid state reaction method. <i>Materials Chemistry and Physics</i> , 2013 , 142, 70-76	4.4	16
100	Evaluation of the OH ⁻ influence on visible and near-infrared quantum efficiencies of Tm3+ and Yb3+ codoped sodium aluminophosphate glasses. <i>Journal of Applied Physics</i> , 2006 , 100, 123103	2.5	16
99	Synthesis and characterization of Ag+ and Zn2+ co-doped CaWO4 nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153617	5.7	16
98	Influence of variables on the synthesis of CoFe2O4 pigment by the complex polymerization method. <i>Journal of Advanced Ceramics</i> , 2015 , 4, 135-141	10.7	15
97	Optical properties of Nd3+-doped Ca3(VO4)2 single crystal fiber. <i>Optical Materials</i> , 2003 , 22, 369-375	3.3	15
96	Computational Chemistry Meets Experiments for Explaining the Geometry, Electronic Structure, and Optical Properties of CaVO. <i>Inorganic Chemistry</i> , 2018 , 57, 15489-15499	5.1	15
95	An investigation into the influence of zinc precursor on the microstructural, photoluminescence, and gas-sensing properties of ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	14
94	Spectroscopic study of Nd-doped amorphous SiN films. <i>Journal of Applied Physics</i> , 2004 , 96, 1068-1073	2.5	14
93	Influence of microwave-assisted hydrothermal treatment time on the crystallinity, morphology and optical properties of ZnWO4 nanoparticles: Photocatalytic activity. <i>Ceramics International</i> , 2020 , 46, 1766-1774 ¹⁴	5.1	14
92	Band AgVO3 polymorphs as photoluminescent materials: An example of temperature-driven synthesis. <i>Ceramics International</i> , 2018 , 44, 5939-5944	5.1	13
91	Red shift and higher photoluminescence emission of CCTO thin films undergoing pressure treatment. <i>Journal of Alloys and Compounds</i> , 2014 , 583, 488-491	5.7	13
90	Luminescent and thermo-optical properties of Nd3+-doped yttrium aluminoborate laser glasses. <i>Journal of Applied Physics</i> , 2009 , 106, 023512	2.5	13
89	Photoinduced structural changes in antimony polyphosphate based glasses. <i>Journal of Non-Crystalline Solids</i> , 2003 , 330, 168-173	3.9	13

88	Disclosing the electronic structure and optical properties of Ag ₄ V ₂ O ₇ crystals: experimental and theoretical insights. <i>CrystEngComm</i> , 2016 , 18, 6483-6491	3.3	13
87	On the nature of the room temperature ferromagnetism in nanoparticulate co-doped ZnO thin films prepared by EB-PVD. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 2682-2688	5.7	12
86	Characterization of the structural, optical, photocatalytic and in vitro and in vivo anti-inflammatory properties of Mn ²⁺ doped Zn ₂ GeO ₄ nanorods. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8216-8225	7.1	11
85	White light emission from single-phase Y ₂ MoO ₆ : xPr ³⁺ (x = 1, 2, 3 and 4 mol%) phosphor. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 420-429	5.7	11
84	Growth process and grain boundary defects in Er doped BaTiO ₃ processed by EB-PVD: A study by XRD, FTIR, SEM and AFM. <i>Applied Surface Science</i> , 2019 , 493, 982-993	6.7	11
83	High red emission intensity of Eu:Y ₂ O ₃ films grown on Si(1 0 0)/Si(1 1 1) by electron beam evaporation. <i>Journal of Luminescence</i> , 2014 , 148, 186-191	3.8	11
82	Formation of Nickel hydroxide plate-like structures under mild conditions and their optical properties. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2818-2823	3.3	11
81	Energy transfer processes in Yb ³⁺ /Er ³⁺ -co-doped sodium aluminophosphate glasses with improved 1.8 μm emission. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 255240	1.8	11
80	Photo-induced effects in Ge ₂₅ Ga ₁₀ S ₆₅ glasses studied by XPS and XAS. <i>Solid State Ionics</i> , 2005 , 176, 1403-1409	3.3	11
79	Blue and red light photoluminescence emission at room temperature from CaTiO ₃ decorated with Ag ₂ WO ₄ . <i>Ceramics International</i> , 2017 , 43, 5759-5766	5.1	10
78	Influence Ca-doped SrIn ₂ O ₄ powders on photoluminescence property prepared one step by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2018 , 747, 1078-1087	5.7	10
77	Spectroscopic study of floating zone technique-grown Nd ³⁺ -doped CaMoO ₄ . <i>EPJ Applied Physics</i> , 2005 , 29, 55-64	1.1	10
76	Influence of annealing on X-ray diffraction of natural alexandrite. <i>Powder Diffraction</i> , 2002 , 17, 135-138	1.8	10
75	Paraelastic Alignment and Electric Dipole Relaxation Behavior of Off-Center Ag ⁺ Defects in RbI. <i>Physica Status Solidi (B): Basic Research</i> , 1981 , 106, 683-692	1.3	10
74	Effect of Er ³⁺ concentration on the luminescence properties of Al ₂ O ₃ -ZrO ₂ powder. <i>Optical Materials</i> , 2016 , 62, 553-560	3.3	9
73	Effects of defects, grain size, and thickness on the optical properties of BaTiO ₃ thin films. <i>Journal of Luminescence</i> , 2017 , 192, 969-974	3.8	9
72	Structural study of thin films prepared from tungstate glass matrix by Raman and X-ray absorption spectroscopy. <i>Applied Surface Science</i> , 2008 , 254, 5552-5556	6.7	9
71	Annealing effects on optical properties of natural alexandrite. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 7437-7443	1.8	9

70	Growth and evaluation of lanthanoids orthoniobates single crystals processed by a miniature pedestal growth technique. <i>Crystal Research and Technology</i> , 2004 , 39, 859-863	1.3	9
69	Blue or red photoluminescence emission in Bi ³⁺ O needles: Effect of synthesis method. <i>Luminescence</i> , 2018 , 33, 1281-1287	2.5	9
68	Structure, morphology, and optical properties of (Ca _{1-x} Eu _{2x})WO ₄ microcrystals. <i>Electronic Materials Letters</i> , 2015 , 11, 193-197	2.9	8
67	Structural disorder-dependent upconversion in Er ³⁺ /Yb ³⁺ -doped calcium titanate. <i>Ceramics International</i> , 2014 , 40, 15981-15984	5.1	8
66	Photoinduced effect in GaTe ₂ based thin films. <i>Applied Surface Science</i> , 2006 , 252, 8738-8744	6.7	8
65	Luminescence of Eu ³⁺ in the thin film heterojunction GaAs/SnO ₂ . <i>Optical Materials Express</i> , 2015 , 5, 59	2.6	7
64	Growth mechanism and vibrational and optical properties of SrMoO ₄ : Tb ³⁺ , Sm ³⁺ particles: green-blue tunable color. <i>Journal of Materials Science</i> , 2020 , 55, 8610-8629	4.3	7
63	Holographic recording in [Sb(PO ₃) ₃] _n Bb ₂ O ₃ glassy films by photoinduced volume and refraction index changes. <i>Journal of Non-Crystalline Solids</i> , 2004 , 348, 245-249	3.9	7
62	Thermal annealing-induced electric dipole relaxation in natural alexandrite. <i>Physics and Chemistry of Minerals</i> , 2005 , 31, 733-737	1.6	7
61	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , 2019 , 14, 100211	6.2	7
60	Activation energy and its fluctuations at grain boundaries of Er ³⁺ :BaTiO ₃ perovskite thin films: Effect of doping concentration and annealing temperature. <i>Vacuum</i> , 2021 , 194, 110562	3.7	7
59	Unveiling the efficiency of microwave-assisted hydrothermal treatment for the preparation of SrTiO ₃ mesocrystals. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22031-22038	3.6	6
58	Photoluminescence of core-shell nanoparticles made from yttrium stabilized zirconia powder grain coated with alumina. <i>CrystEngComm</i> , 2013 , 15, 3292	3.3	6
57	Thermo-optical characteristics and concentration quenching effects in Nd ³⁺ doped yttrium calcium borate glasses. <i>Journal of Chemical Physics</i> , 2011 , 134, 124503	3.9	6
56	Source of slow lithium atoms from Ne or H ₂ matrix isolation sublimation. <i>Journal of Chemical Physics</i> , 2012 , 136, 154202	3.9	6
55	Colored films produced by electron beam deposition from nanometric TiO ₂ and Al ₂ O ₃ pigment powders obtained by modified polymeric precursor method. <i>Dyes and Pigments</i> , 2007 , 75, 693-700	4.6	6
54	Thin films prepared from tungstate glass matrix. <i>Applied Surface Science</i> , 2008 , 254, 2085-2089	6.7	6
53	Photoluminescence spectrum of rare earth doped zirconia fibre and power excitation dependence. <i>Radiation Effects and Defects in Solids</i> , 1999 , 149, 153-157	0.9	6

52	Optical and structural characterizations of Cu ⁺ -doped KCl films. <i>Thin Solid Films</i> , 1994 , 250, 273-278	2.2	6
51	MBE growth and characterization of δ -doping in GaAs and GaAs/Si. <i>Surface Science</i> , 1990 , 228, 356-358	1.8	6
50	Emission Properties Related to Distinct Phases of Sol-Gel Dip-Coating Titanium Dioxide, and Carrier Photo-Excitation in Different Energy Ranges. <i>Materials Research</i> , 2017 , 20, 866-873	1.5	5
49	Fast photocatalytic degradation of an organic dye and photoluminescent properties of Zn doped In(OH) ₃ obtained by the microwave-assisted hydrothermal method. <i>Materials Science in Semiconductor Processing</i> , 2014 , 27, 1036-1041	4.3	5
48	Matrix isolation sublimation: An apparatus for producing cryogenic beams of atoms and molecules. <i>Review of Scientific Instruments</i> , 2015 , 86, 073109	1.7	5
47	Raman spectroscopy analysis of structural photoinduced changes in GeS ₂ +Ga ₂ O ₃ thin films. <i>Current Applied Physics</i> , 2010 , 10, 1411-1415	2.6	5
46	Dielectric Studies of CN ⁺ Dipolar Reorientation and Order/Disorder Behavior. <i>Physica Status Solidi (B): Basic Research</i> , 1997 , 199, 245-264	1.3	5
45	Structural and optical characterization of beta barium borate thin films grown by electron beam evaporation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004 , 22, 2163-2167	2.9	5
44	Effects of isostatic oxygen pressure on the crystal growth and optical properties of undoped and Er ³⁺ -doped Ca ₃ (VO ₄) ₂ single-crystal Fibres. <i>Advanced Materials for Optics and Electronics</i> , 2000 , 10, 9-15		5
43	ITC study of Ga ⁺ , Ge ²⁺ , and Sn ²⁺ -doped alkali halides. <i>Radiation Effects and Defects in Solids</i> , 1998 , 147, 11-16	0.9	5
42	570 nm and 4.8 μ m emissions in Yb ²⁺ /CN ⁻ double doped KCl. <i>Journal of Luminescence</i> , 1994 , 59, 289-291	3.8	5
41	Off-center Cu ⁺ in mixed crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1979 , 92, 287-291	1.3	5
40	Enhancement of symmetry-induced photoluminescence in bismuth tungstate microcrystals. <i>Materials Letters</i> , 2016 , 184, 298-300	3.3	4
39	Effect of Zn ²⁺ ions on the structure, morphology and optical properties of CaWO ₄ microcrystals. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 648-654	2.3	4
38	Local order around of germanium atoms in Ga ₁₀ Ge ₂₅ S ₆₅ glass by EXAFS. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 160-166	3.9	4
37	On the upconversion emission of rare earth doped zirconia fiber. <i>Radiation Effects and Defects in Solids</i> , 1998 , 147, 77-81	0.9	4
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22	Second harmonic generation and thermally stimulated depolarization current investigation of KLiTaO_3 . <i>Radiation Effects and Defects in Solids</i> , 1995 , 134, 229-232	0.9	2
21	Dipole relaxation current in n-type $\text{Al}_x\text{Ga}_{1-x}\text{As}$. <i>Applied Physics Letters</i> , 1993 , 63, 2658-2660	3.4	2
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14	Dipole Relaxation Current in N-Type Al _x Ga _{1-x} As. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 325, 285		1
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