

Maximo Siu Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177
papers

4,181
citations

36
h-index

56
g-index

182
ext. papers

4,629
ext. citations

3.5
avg, IF

5.11
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 177 | Enhanced red emission in Sr(1-x)Eu _x Mo _{0.5} W _{0.5} O ₄ (x = 0.01, 0.02, 0.04) phosphor and spectroscopic analysis for display applications. <i>Journal of Materials Science</i> , 2022 , 57, 8634-8647 | 4.3 | 0 |
| 176 | The role of the Tm ³⁺ concentration on CaMoO ₄ properties processed by microwave hydrothermal under stirring condition. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5192-5204 | 3.8 | |
| 175 | New insights into the nature of the bandgap of CuGeO ₃ nanofibers: Synthesis, electronic structure, and optical and photocatalytic properties. <i>Materials Today Communications</i> , 2021 , 26, 101701 | 2.5 | 1 |
| 174 | The extrinsic nature of double broadband photoluminescence from the BaTiO perovskite: generation of white light emitters. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 18694-18706 | 3.6 | 4 |
| 173 | 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 |
| 172 | Red-emitting CaWO ₄ :Eu ³⁺ ,Tm ³⁺ phosphor for solid-state lighting: Luminescent properties and morphology evolution. <i>Journal of Rare Earths</i> , 2021 , 40, 226-226 | 3.7 | 2 |
| 171 | Unraveling the Photoluminescence Properties of the Sr ₁₀ V ₆ O ₂₅ Structure through Experimental and Theoretical Analyses. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14446-14458 | 3.8 | 1 |
| 170 | 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 |
| 169 | Synthesis and characterization of Ag ⁺ and Zn ²⁺ co-doped CaWO ₄ nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153617 | 5.7 | 16 |
| 168 | Structure, optical properties, and photocatalytic activity of Ag ₂ W _{0.75} Mo _{0.25} O ₄ . <i>Materials Research Bulletin</i> , 2020 , 132, 111011 | 5.1 | 4 |
| 167 | Influence of microwave-assisted hydrothermal treatment time on the crystallinity, morphology and optical properties of ZnWO ₄ nanoparticles: Photocatalytic activity. <i>Ceramics International</i> , 2020 , 46, 1766-1774 ¹⁴ | 5.1 | 14 |
| 166 | Unveiling the efficiency of microwave-assisted hydrothermal treatment for the preparation of SrTiO mesocrystals. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22031-22038 | 3.6 | 6 |
| 165 | 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 |
| 164 | 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 |
| 163 | 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 |
| 162 | Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , 2019 , 14, 100211 | 6.2 | 7 |
| 161 | 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 |

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| 160 | 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 |
| 159 | Band AgVO ₃ polymorphs as photoluminescent materials: An example of temperature-driven synthesis. <i>Ceramics International</i> , 2018 , 44, 5939-5944 | 5.1 | 13 |
| 158 | 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 |
| 157 | Structural properties and self-activated photoluminescence emissions in hydroxyapatite with distinct particle shapes. <i>Ceramics International</i> , 2018 , 44, 236-245 | 5.1 | 21 |
| 156 | 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 |
| 155 | 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 |
| 154 | Blue or red photoluminescence emission in Bi ₂ O needles: Effect of synthesis method. <i>Luminescence</i> , 2018 , 33, 1281-1287 | 2.5 | 9 |
| 153 | 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 |
| 152 | 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 |
| 151 | Structural evolution, growth mechanism and photoluminescence properties of CuWO nanocrystals. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 256-270 | 8.9 | 38 |
| 150 | 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 |
| 149 | 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 |
| 148 | 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 |
| 147 | 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 |
| 146 | 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 |
| 145 | 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 |
| 144 | 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 |
| 143 | Morphology and Optical Properties of SrWO ₄ Powders Synthesized by the Coprecipitation and Polymeric Precursor Methods 2017 , 131-154 | | 1 |

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|-----|---|------|----|
| 142 | Enhancement of symmetry-induced photoluminescence in bismuth tungstate microcrystals. <i>Materials Letters</i> , 2016 , 184, 298-300 | 3.3 | 4 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | Improved photoluminescence emission and gas sensor properties of ZnO thin films. <i>Ceramics International</i> , 2016 , 42, 13555-13561 | 5.1 | 21 |
| 135 | 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 |
| 134 | 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 |
| 133 | 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 |
| 132 | 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 |
| 131 | Photoluminescence of the Eu-doped thin film heterojunction GaAs/SnO ₂ and rare-earth doping distribution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 76, 012006 | 0.4 | 1 |
| 130 | Luminescence of Eu ³⁺ in the thin film heterojunction GaAs/SnO ₂ . <i>Optical Materials Express</i> , 2015 , 5, 59 | 2.6 | 7 |
| 129 | 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 |
| 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 | 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 |
| 126 | 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 |
| 125 | Influence of variables on the synthesis of CoFe ₂ O ₄ pigment by the complex polymerization method. <i>Journal of Advanced Ceramics</i> , 2015 , 4, 135-141 | 10.7 | 15 |

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|-----|--|-----|-----|
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | 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 |
| 119 | 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 |
| 118 | Structural disorder-dependent upconversion in Er ³⁺ /Yb ³⁺ -doped calcium titanate. <i>Ceramics International</i> , 2014 , 40, 15981-15984 | 5.1 | 8 |
| 117 | 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 |
| 116 | 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 |
| 115 | Experimental and theoretical investigations of electronic structure and photoluminescence properties of BiAg ₂ MoO ₄ microcrystals. <i>Inorganic Chemistry</i> , 2014 , 53, 5589-99 | 5.1 | 101 |
| 114 | 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 |
| 113 | Optical characterization of europium-doped indium hydroxide nanocubes obtained by Microwave-Assisted Hydrothermal method. <i>Materials Research</i> , 2014 , 17, 933-939 | 1.5 | 3 |
| 112 | CoO doping effects on the ZnO films through EBPDV technique. <i>EPJ Applied Physics</i> , 2014 , 65, 30301 | 1.1 | |
| 111 | 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 |
| 110 | EPR, optical absorption and luminescence studies of Cr ³⁺ -doped antimony phosphate glasses. <i>Optical Materials</i> , 2014 , 38, 119-125 | 3.3 | 37 |
| 109 | Effect of process parameters on photophysical properties and barium molybdate phosphors characteristics. <i>Ceramics International</i> , 2014 , 40, 6719-6729 | 5.1 | 24 |
| 108 | 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 |
| 107 | Influence of the network modifier on the characteristics of MSnO ₃ (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 |

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| 106 | A combined theoretical and experimental study of electronic structure and optical properties of ErZnMoO_4 microcrystals. <i>Polyhedron</i> , 2013 , 54, 13-25 | 2.7 | 65 |
| 105 | Rietveld refinement, morphology and optical properties of $(\text{Ba}_{1-x}\text{Sr}_x)\text{MoO}_4$ crystals. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1434-1446 | 3.8 | 37 |
| 104 | Photoluminescence of core-shell nanoparticles made from yttrium stabilized zirconia powder grain coated with alumina. <i>CrystEngComm</i> , 2013 , 15, 3292 | 3.3 | 6 |
| 103 | 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 |
| 102 | Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO_4 crystals. <i>Polyhedron</i> , 2013 , 50, 532-545 | 2.7 | 57 |
| 101 | Preparation and photoluminescence characteristics of $\text{In}(\text{OH})_3:\text{xTb}^{3+}$ obtained by Microwave-Assisted Hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2013 , 553, 338-342 | 5.7 | 31 |
| 100 | Structural investigation and improvement of photoluminescence properties in $\text{Ba}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ powders synthesized by the solid state reaction method. <i>Materials Chemistry and Physics</i> , 2013 , 142, 70-76 | 4.4 | 16 |
| 99 | Solvent effect on the optimization of 1.54 μm emission in Er-doped $\text{Y}_2\text{O}_3/\text{Al}_2\text{O}_3/\text{Bi}_2\text{O}_3$ powders synthesized by a modified Pechini method. <i>Current Applied Physics</i> , 2013 , 13, 1558-1565 | 2.6 | 3 |
| 98 | 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 |
| 97 | 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 |
| 96 | 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 |
| 95 | Electronic structure, growth mechanism and photoluminescence of CaWO_4 crystals. <i>CrystEngComm</i> , 2012 , 14, 853-868 | 3.3 | 174 |
| 94 | Cluster coordination and photoluminescence properties of Ag_2WO_4 microcrystals. <i>Inorganic Chemistry</i> , 2012 , 51, 10675-87 | 5.1 | 143 |
| 93 | 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 |
| 92 | Urea-Based Synthesis of Zinc Oxide Nanostructures at Low Temperature. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7 | 3.2 | 38 |
| 91 | Structural refinement, growth process, photoluminescence and photocatalytic properties of $(\text{Ba}_{1-x}\text{Pr}_x/3)\text{WO}_4$ crystals synthesized by the coprecipitation method. <i>RSC Advances</i> , 2012 , 2, 6438 | 3.7 | 72 |
| 90 | 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 |
| 89 | Structural refinement, optical and microwave dielectric properties of BaZrO_3 . <i>Ceramics International</i> , 2012 , 38, 2129-2138 | 5.1 | 75 |

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|----|---|-----|-----|
| 88 | 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 |
| 87 | ZnMoO 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 |
| 86 | 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 |
| 85 | 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 |
| 84 | 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 |
| 83 | Formation of Eickel 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 |
| 82 | Photoexpansion and photobleaching effects in oxysulfide thin films of the GeS ₂ +Ga ₂ O ₃ system. <i>Physica B: Condensed Matter</i> , 2011 , 406, 4381-4386 | 2.8 | 3 |
| 81 | Photoluminescent properties of nanorods and nanoplates Y ₂ O ₃ :Eu ³⁺ . <i>Journal of Fluorescence</i> , 2011 , 21, 1431-8 | 2.4 | 17 |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | Electronic structure and optical properties of BaMoO ₄ powders. <i>Current Applied Physics</i> , 2010 , 10, 614-624 | 4.6 | 130 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |

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|----|---|-----|-----|
| 70 | 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 |
| 69 | Photoluminescent behavior of SrZrO ₃ /SrTiO ₃ multilayer thin films. <i>Chemical Physics Letters</i> , 2009 , 473, 293-298 | 2.5 | 27 |
| 68 | 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 |
| 67 | 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 |
| 66 | Luminescent and thermo-optical properties of Nd ³⁺ -doped yttrium aluminoborate laser glasses. <i>Journal of Applied Physics</i> , 2009 , 106, 023512 | 2.5 | 13 |
| 65 | 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 |
| 64 | Energy transfer processes in Yb ³⁺ +Tm 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 |
| 63 | 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 |
| 62 | Thin films prepared from tungstate glass matrix. <i>Applied Surface Science</i> , 2008 , 254, 2085-2089 | 6.7 | 6 |
| 61 | 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 |
| 60 | Blue-green and red photoluminescence in CaTiO ₃ :Sm. <i>Journal of Luminescence</i> , 2007 , 126, 403-407 | 3.8 | 49 |
| 59 | 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 |
| 58 | Evaluation of the OH ⁻ influence on visible and near-infrared quantum efficiencies of Tm ³⁺ and Yb ³⁺ codoped sodium aluminophosphate glasses. <i>Journal of Applied Physics</i> , 2006 , 100, 123103 | 2.5 | 16 |
| 57 | Photoinduced effect in GaTeS based thin films. <i>Applied Surface Science</i> , 2006 , 252, 8738-8744 | 6.7 | 8 |
| 56 | 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 |
| 55 | 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 |
| 54 | Spectroscopic study of floating zone technique-grown Nd ³⁺ -doped CaMoO ₄ . <i>EPJ Applied Physics</i> , 2005 , 29, 55-64 | 1.1 | 10 |
| 53 | Thermal annealing-induced electric dipole relaxation in natural alexandrite. <i>Physics and Chemistry of Minerals</i> , 2005 , 31, 733-737 | 1.6 | 7 |

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|----|---|-----|----|
| 52 | Spectroscopic study of Nd-doped amorphous SiN films. <i>Journal of Applied Physics</i> , 2004 , 96, 1068-1073 | 2.5 | 14 |
| 51 | 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 |
| 50 | 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 |
| 49 | Holographic recording in [Sb(PO ₃) ₃] _n Sb 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 |
| 48 | Annealing effects on optical properties of natural alexandrite. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 7437-7443 | 1.8 | 9 |
| 47 | The influence of oxygen in the photoexpansion of GaGeS glasses. <i>Applied Surface Science</i> , 2003 , 205, 143-150 | 6.7 | 25 |
| 46 | Optical properties of Nd ³⁺ -doped Ca ₃ (VO ₄) ₂ single crystal fiber. <i>Optical Materials</i> , 2003 , 22, 369-375 | 3.3 | 15 |
| 45 | Photoinduced structural changes in antimony polyphosphate based glasses. <i>Journal of Non-Crystalline Solids</i> , 2003 , 330, 168-173 | 3.9 | 13 |
| 44 | 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 |
| 43 | Influence of annealing on X-ray diffraction of natural alexandrite. <i>Powder Diffraction</i> , 2002 , 17, 135-138 | 1.8 | 10 |
| 42 | 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 |
| 41 | Light-induced electric dipole relaxation in synthetic and natural alexandrite. <i>Radiation Effects and Defects in Solids</i> , 2001 , 156, 295-299 | 0.9 | 3 |
| 40 | Contribution of oxygen related defects to the electronic transport in SnO ₂ sol-gel films. <i>Radiation Effects and Defects in Solids</i> , 2001 , 156, 145-149 | 0.9 | 1 |
| 39 | Analysis of the topography of a Bragg grating in chalcogenide glass. <i>Applied Surface Science</i> , 2001 , 181, 19-27 | 6.7 | |
| 38 | 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 |
| 37 | Above bandgap induced photoexpansion and photobleaching in GaGeS based glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 284, 282-287 | 3.9 | 27 |
| 36 | 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 |
| 35 | 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 |

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| 34 | Oxygen related defects excitation and photoconductivity dependence of SnO ₂ Sol-Gel films with several light sources. <i>Radiation Effects and Defects in Solids</i> , 1999 , 150, 391-395 | 0.9 | 3 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Yb ²⁺ /CN ⁺ Doped KBr absorption and emission structure. <i>Radiation Effects and Defects in Solids</i> , 1998 , 146, 349-355 | 0.9 | |
| 29 | Photodesorption and electron trapping in n-type SnO ₂ thin films grown by dip-coating technique. <i>Radiation Effects and Defects in Solids</i> , 1998 , 146, 199-206 | 0.9 | 3 |
| 28 | Investigation of temperature influence on photo-induced conductivity in n-type Al _x Ga _{1-x} As. <i>Radiation Effects and Defects in Solids</i> , 1998 , 146, 175-186 | 0.9 | 0 |
| 27 | 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 |
| 26 | Study of KCl + x% in and KCl + y% tici thin films. <i>Radiation Effects and Defects in Solids</i> , 1998 , 147, 83-91 | 0.9 | |
| 25 | 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 |
| 24 | 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 |
| 23 | Off-center effect of Cu ⁺ -doped KCl films studied by optical absorption and thermally stimulated depolarization current. <i>Thin Solid Films</i> , 1995 , 268, 30-34 | 2.2 | 3 |
| 22 | Light-induced relaxing dipoles in n-type Al _x Ga _{1-x} As. <i>Physical Review B</i> , 1995 , 51, 13864-13867 | 3.3 | 3 |
| 21 | Thermally stimulated depolarization current of monovalent copper ions in calcium fluoride. <i>Radiation Effects and Defects in Solids</i> , 1995 , 135, 121-123 | 0.9 | 1 |
| 20 | Ultraviolet and infrared spectroscopy of oh-/Cu ⁺ double doped NaF. <i>Radiation Effects and Defects in Solids</i> , 1995 , 133, 321-328 | 0.9 | 0 |
| 19 | Cu ⁺ and OH ⁻ pairs defects interaction in NaF crystals. <i>Radiation Effects and Defects in Solids</i> , 1995 , 134, 353-356 | 0.9 | 1 |
| 18 | Cu ⁺ high doping effects in KCl and KBr films. <i>Radiation Effects and Defects in Solids</i> , 1995 , 134, 357-360 | 0.9 | |
| 17 | Second harmonic generation and thermally stimulated depolarization current investigation of K _{1-x} Li _x TaO ₃ . <i>Radiation Effects and Defects in Solids</i> , 1995 , 134, 229-232 | 0.9 | 2 |

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| 16 | Optical and ESR study of Er ³⁺ in LiNbO ₃ . <i>Physical Review B</i> , 1995 , 51, 3206-3209 | 3.3 | 50 |
| 15 | Optical and structural characterizations of Cu ⁺ -doped KCl films. <i>Thin Solid Films</i> , 1994 , 250, 273-278 | 2.2 | 6 |
| 14 | 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 |
| 13 | Dipole relaxation current in n-type Al _x Ga _{1-x} As. <i>Applied Physics Letters</i> , 1993 , 63, 2658-2660 | 3.4 | 2 |
| 12 | Dipole Relaxation Current in N-Type Al _x Ga _{1-x} As. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 325, 285 | | 1 |
| 11 | Strong and Broad 570 nm Emission in KCl: Yb ²⁺ :CN ⁻ <i>Physica Status Solidi (B): Basic Research</i> , 1993 , 180, K93-K96 | 1.3 | 3 |
| 10 | Coupled Pairs of Cu ⁺ ?OCN ⁻ in KCl Studied by Optical Absorption and Thermally Stimulated Depolarization Current. <i>Physica Status Solidi (B): Basic Research</i> , 1992 , 171, 141-151 | 1.3 | 4 |
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| 7 | Photoreflectance measurements on Si δ -doped GaAs samples grown by molecular-beam epitaxy. <i>Journal of Applied Physics</i> , 1990 , 67, 4149-4151 | 2.5 | 18 |
| 6 | MBE growth and characterization of δ -doping in GaAs and GaAs/Si. <i>Surface Science</i> , 1990 , 228, 356-358 | 1.8 | 6 |
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| 4 | Ionic Thermal Currents under Uniaxial Stress A New Method to Determine Electric and Elastic Dipole Properties. <i>Physica Status Solidi (B): Basic Research</i> , 1982 , 112, 685-693 | 1.3 | 3 |
| 3 | 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 |
| 2 | Off-center Cu ⁺ in mixed crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1979 , 92, 287-291 | 1.3 | 5 |
| 1 | Off-Center Cu ⁺ Ions in Potassium Halides Studied with Ionic Thermocurrents. <i>Physical Review B</i> , 1973 , 7, 4677-4682 | 3.3 | 41 |