# Laeticia Petit

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 150 papers | 2,911 citations | 147801<br>31 h-index | 214800<br>47 g-index |
| 150 all docs | 150 docs citations | 150 times ranked | 2192 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Response of Various Yb3+-Doped Oxide Glasses to Different Radiation Treatments. Materials, 2022, 15, 3162. | 2.9 | 2 |
| 2 | Bioactive phosphate glass-based fiber with green persistent luminescence. Materials Research Bulletin, 2022, 153, 111899. | 5.2 | 8 |
| 3 | Demonstration of the hierarchical arrangement of persistent luminescent microparticles in direct doping-prepared photonic glasses using second-harmonic generation microscopy. Optical Materials Express, 2022, 12, 2805. | 3.0 | 2 |
| 4 | Transparent Er3+ doped Ag2O containing tellurite glass-ceramics. Optical Materials: X, 2022, 15, 100164. | 0.8 | 1 |
| 5 | Investigations of the thermal, structural, and Near-IR emission properties of Ag containing fluorophosphate glasses and their crystallization process. Optical Materials, 2022, 131, 112610. | 3.6 | 5 |
| 6 | Low temperature afterglow from SrAl2O4: Eu, Dy, B containing glass. Scripta Materialia, 2021, 190, 86-90. | 5.2 | 10 |
| 7 | Tailoring the Glass Composition to Increase the Thermal Stability without Impacting the Crystallization Behavior of Oxyfluorophosphate Glass. Ceramics, 2021, 4, 148-159. | 2.6 | 3 |
| 8 | Micro-luminescence measurement to evidence decomposition of persistent luminescent particles during the preparation of novel persistent luminescent tellurite glasses. Scripta Materialia, 2021, 199, 113864. | 5.2 | 3 |
| 9 | Influence of Y2O3 Content on Structural, Optical, Spectroscopic, and Laser Properties of Er3+, Yb3+ Co-Doped Phosphate Glasses. Materials, 2021, 14, 4041. | 2.9 | 6 |
| 10 | Effect of post-heat-treatment on the structural, spectroscopic and dissolution properties of a highly stable Er3+-doped multi-component phosphate glass. Journal of Alloys and Compounds, 2021, 883, 160878. | 5.5 | 6 |
| 11 | Preparation of glass-based composites with green upconversion and persistent luminescence using modified direct doping method. Materials Chemistry and Physics, 2021, 274, 125164. | 4.0 | 4 |
| 12 | Synthesis, Characterization, and Optical Properties of Ytterbium(III) Phosphates and Their Incorporation in Different Glass Matrices. Journal of Physical Chemistry C, 2021, 125, 702-715. | 3.1 | 8 |
| 13 | Radiation effects on phosphate glasses: Review. International Journal of Applied Glass Science, 2020, 11, 511-521. | 2.0 | 21 |
| 14 | Irradiation of Er3+, Yb3+ doped phosphate glasses using electrons and protons. Ceramics International, 2020, 46, 26388-26395. | 4.8 | 1 |
| 15 | Nucleation and growth behavior of Er<sup>3+</sup> doped oxyfluorophosphate glasses. RSC Advances, 2020, 10, 25703-25716. | 3.6 | 10 |
| 16 | Impact of Fe2O3 Addition on the Crystallization of Er3+ Doped Fluorophosphate Glasses. , 2020, , . | | 0 |
| 17 | Radiation-Induced Defects and Effects in Germanate and Tellurite Glasses. Materials, 2020, 13, 3846. | 2.9 | 17 |
| 18 | Synthesis and Properties of Er-Doped KPO3-Ca(PO3)2 Glass and Glass-Ceramic. , 2020, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effect of heat-treatment on the upconversion of NaYF4:Yb3+, Er3+ nanocrystals containing silver phosphate glass. Journal of Non-Crystalline Solids, 2020, 544, 120243. | 3.1 | 2 |
| 20 | Phosphate/oxyfluorophosphate glass crystallization and its impact on dissolution and cytotoxicity. Materials Science and Engineering C, 2020, 117, 111269. | 7.3 | 8 |
| 21 | Transparent Yb3+ doped phosphate glass-ceramics. Ceramics International, 2020, 46, 26317-26325. | 4.8 | 4 |
| 22 | Impact of ZnO Addition on Er3+ Near-Infrared Emission, the Formation of Ag Nanoparticles, and the Crystallization of Sodium Fluorophosphate Glass. Materials, 2020, 13, 527. | 2.9 | 7 |
| 23 | Changes in the mechanical properties of bioactive borophosphate fiber when immersed in aqueous solutions. International Journal of Applied Glass Science, 2020, 11, 622-631. | 2.0 | 5 |
| 24 | Unveiling structured domains of persistent luminescent microparticles using second-harmonic generation microscopy. Optics Express, 2020, 28, 25858. | 3.4 | 2 |
| 25 | Impact of Ag2O Content on the Optical and Spectroscopic Properties of Fluoro-Phosphate Glasses. Materials, 2019, 12, 3516. | 2.9 | 10 |
| 26 | Fabrication and Characterization of New Phosphate Glasses and Glass-Ceramics Suitable for Drawing Optical and Biophotonic Libers. , 2019, , . | | 0 |
| 27 | Persistent Luminescent Glasses Prepared Using the Direct Doping Method. , 2019, , . | | 0 |
| 28 | Nanoparticles in Optical Waveguides: A Toolbox to Promote Lasers, Amplifiers and Sensors. , 2019, , . | | 0 |
| 29 | Design, processing, and characterization of an optical coreâ€bioactive clad phosphate fiber for biomedical applications. Journal of the American Ceramic Society, 2019, 102, 6882-6892. | 3.8 | 10 |
| 30 | Fluorine losses in Er3+ oxyfluoride phosphate glasses and glass-ceramics. Journal of Alloys and Compounds, 2019, 797, 797-803. | 5.5 | 11 |
| 31 | Sintered silica bodies with persistent luminescence. Scripta Materialia, 2019, 166, 15-18. | 5.2 | 4 |
| 32 | Successful preparation of fluorine containing glasses with persistent luminescence using the direct doping method. Journal of Alloys and Compounds, 2019, 787, 1260-1264. | 5.5 | 8 |
| 33 | Nano-Structured Optical Fibers Made of Glass-Ceramics, and Phase Separated and Metallic Particle-Containing Glasses. Fibers, 2019, 7, 105. | 4.0 | 30 |
| 34 | Ternary borosilicates as potential cladding glasses for semiconductor core optical fibers. International Journal of Applied Glass Science, 2019, 10, 151-156. | 2.0 | 4 |
| 35 | Core-clad phosphate glass fibers for biosensing. Materials Science and Engineering C, 2019, 96, 458-465. | 7.3 | 14 |
| 36 | Optical, structural and luminescence properties of oxyfluoride phosphate glasses and glass-ceramics doped with Yb3+. Journal of Non-Crystalline Solids: X, 2019, 1, 100003. | 1.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Spectroscopic Properties of Er3+-Doped Particles-Containing Phosphate Glasses Fabricated Using the Direct Doping Method. Materials, 2019, 12, 129. | 2.9 | 9 |
| 38 | Phosphate glasses with blue persistent luminescence prepared using the direct doping method. Optical Materials, 2019, 87, 151-156. | 3.6 | 15 |
| 39 | Decomposition of persistent luminescent microparticles in corrosive phosphate glass melt. Corrosion Science, 2018, 135, 207-214. | 6.6 | 28 |
| 40 | Persistent luminescent borosilicate glasses using direct particles doping method. Scripta Materialia, 2018, 151, 38-41. | 5.2 | 15 |
| 41 | Luminescence of Er 3+ doped oxyfluoride phosphate glasses and glass-ceramics. Journal of Alloys and Compounds, 2018, 751, 224-230. | 5.5 | 35 |
| 42 | Better understanding of the role of SiO2, P2O5 and Al2O3 on the spectroscopic properties of Yb3+ doped silica sol-gel glasses. Journal of Non-Crystalline Solids, 2018, 482, 46-51. | 3.1 | 11 |
| 43 | Influence of the phosphate glass melt on the corrosion of functional particles occurring during the preparation of glass-ceramics. Ceramics International, 2018, 44, 11807-11811. | 4.8 | 21 |
| 44 | Persistent luminescent particles containing bioactive glasses: Prospect toward tracking in-vivo implant mineralization using biophotonic ceramics. Journal of the European Ceramic Society, 2018, 38, 287-295. | 5.7 | 12 |
| 45 | Processing and Characterization of Bioactive Borosilicate Glasses and Scaffolds with Persistent Luminescence. , 2018, , . | | 1 |
| 46 | Upconversion from fluorophosphate glasses prepared with NaYF<sub>4</sub>:Er<sup>3+</sup>,Yb<sup>3+</sup> nanocrystals. RSC Advances, 2018, 8, 19226-19236. | 3.6 | 15 |
| 47 | Feature issue introduction: mid-infrared optical materials and their device applications. Optical Materials Express, 2018, 8, 2026. | 3.0 | 15 |
| 48 | Design, Synthesis, and Structure-Property Relationships of Er3+-Doped TiO2 Luminescent Particles Synthesized by Sol-Gel. Nanomaterials, 2018, 8, 20. | 4.1 | 8 |
| 49 | Thermal, structural and in vitro dissolution of antimicrobial copper-doped and slow resorbable iron-doped phosphate glasses. Journal of Materials Science, 2017, 52, 8957-8972. | 3.7 | 17 |
| 50 | Effect of the addition of Al2O3, TiO2 and ZnO on the thermal, structural and luminescence properties of Er3+-doped phosphate glasses. Journal of Non-Crystalline Solids, 2017, 460, 161-168. | 3.1 | 37 |
| 51 | Effect of partial crystallization on the structural and Er 3+ luminescence properties of phosphate-based glasses. Optical Materials, 2017, 64, 230-238. | 3.6 | 5 |
| 52 | Upconversion in low rare-earth concentrated phosphate glasses using direct NaYF 4 :Er 3+ , Yb 3+ nanoparticles doping. Scripta Materialia, 2017, 139, 130-133. | 5.2 | 27 |
| 53 | Novel Er3+ doped phosphate glass-ceramics for photonics. , 2017, , . | | 0 |
| 54 | Super-luminescence and spectral hole burning effect in ultra-short length Er/Yb-doped phosphate fiber. Optical Materials Express, 2017, 7, 4358. | 3.0 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Effect of Partial Crystallization on the Structural and Luminescence Properties of Er3+-Doped Phosphate Glasses. Materials, 2017, 10, 473. | 2.9 | 19 |
| 56 | Effect of ZnO Addition and of Alpha Particle Irradiation on Various Properties of Er3+, Yb3+ Doped Phosphate Glasses. Applied Sciences (Switzerland), 2017, 7, 1094. | 2.5 | 7 |
| 57 | Glass and Process Development for the Next Generation of Optical Fibers: A Review. Fibers, 2017, 5, 11. | 4.0 | 50 |
| 58 | Novel oxyfluorophosphate glasses and glass-ceramics. Journal of Non-Crystalline Solids, 2016, 445-446, 40-44. | 3.1 | 21 |
| 59 | Thermal, structural and optical properties of Er3+ doped phosphate glasses containing silver nanoparticles. Journal of Non-Crystalline Solids, 2016, 438, 67-73. | 3.1 | 34 |
| 60 | Effect of the glass melting condition on the processing of phosphate-based glassâ€"ceramics with persistent luminescence properties. Optical Materials, 2016, 52, 56-61. | 3.6 | 12 |
| 61 | Er3+â€"Al2O3 nanoparticles doping of borosilicate glass. Bulletin of Materials Science, 2015, 38, 1407-1410. | 1.7 | 8 |
| 62 | Processing and characterization of novel borophosphate glasses and fibers for medical applications. Journal of Non-Crystalline Solids, 2015, 425, 52-60. | 3.1 | 45 |
| 63 | Measuring bend losses in large-mode-area fibers. Proceedings of SPIE, 2015, , . | 0.8 | 2 |
| 64 | Processing and characterization of phosphate glasses containing CaAl2O4:Eu2+,Nd3+ and SrAl2O4:Eu2+,Dy3+ microparticles. Journal of the European Ceramic Society, 2015, 35, 3863-3871. | 5.7 | 28 |
| 65 | Erbium-doped borosilicate glasses containing various amounts of P2O5 and Al2O3: Influence of the silica content on the structure and thermal, physical, optical and luminescence properties. Materials Research Bulletin, 2015, 70, 47-54. | 5.2 | 6 |
| 66 | Influence of P2O5 and Al2O3 content on the structure of erbium-doped borosilicate glasses and on their physical, thermal, optical and luminescence properties. Materials Research Bulletin, 2015, 63, 41-50. | 5.2 | 18 |
| 67 | New alternative route for the preparation of phosphate glasses with persistent luminescence properties. Journal of the European Ceramic Society, 2015, 35, 1255-1261. | 5.7 | 25 |
| 68 | Mode coupling in few-mode large-mode-area fibers. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 69 | Influence of the P2O5/Al2O3 co-doping on the local environment of erbium ions and on the 1.5Î¼m quantum efficiency of Er3+-borosilicate glasses. Optical Materials, 2014, 36, 926-931. | 3.6 | 10 |
| 70 | Phosphate-based glass fiber vs. bulk glass: Change in fiber optical response to probe in vitro glass reactivity. Materials Science and Engineering C, 2014, 37, 251-257. | 7.3 | 27 |
| 71 | Effect of partial crystallization on the thermal, optical, structural and Er3+ luminescence properties of silicate glasses. Materials Chemistry and Physics, 2014, 147, 1099-1109. | 4.0 | 9 |
| 72 | Short-Term and Long-Term Stability in Ytterbium-Doped High-Power Fiber Lasers and Amplifiers. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 188-199. | 2.9 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Thermal and structural characterization of erbium-doped borosilicate fibers with low silica content containing various amounts of P2O5 and Al2O3. Optical Materials, 2014, 37, 87-92. | 3.6 | 4 |
| 74 | Thermal properties and surface reactivity in simulated body fluid of new strontium ion-containing phosphate glasses. Journal of Materials Science: Materials in Medicine, 2013, 24, 1407-1416. | 3.6 | 39 |
| 75 | Effect of the glass composition on the chemical durability of zinc-phosphate-based glasses in aqueous solutions. Journal of Physics and Chemistry of Solids, 2013, 74, 121-127. | 4.0 | 35 |
| 76 | Final Shape of Precision Molded Optics: Part IIâ€"Validation and Sensitivity to Material Properties and Process Parameters. Journal of Thermal Stresses, 2012, 35, 614-636. | 2.0 | 32 |
| 77 | Final Shape of Precision Molded Optics: Part Iâ€"Computational Approach, Material Definitions and the Effect of Lens Shape. Journal of Thermal Stresses, 2012, 35, 550-578. | 2.0 | 44 |
| 78 | Towards universal enrichment nanocoating for IR-ATR waveguides. Chemical Communications, 2011, 47, 9104. | 4.1 | 11 |
| 79 | Effect of Replacement of <scp><scp>As</scp></scp> by <scp><scp>Ge</scp></scp> and <scp><scp>Sb</scp></scp> on the Photoâ€Response under Near Infrared Femtosecond Laser Irradiation in <scp><scp>As</scp></scp>â€based Sulfide Glasses. International Journal of Applied Glass Science, 2011, 2, 308-320. | 2.0 | 14 |
| 80 | Processing of Tellurite-Based Glass with Low OH Content. Journal of the American Ceramic Society, 2011, 94, 130-136. | 3.8 | 75 |
| 81 | Comparison of the optical, thermal and structural properties of Geâ€"Sbâ€"S thin films deposited using thermal evaporation and pulsed laser deposition techniques. Acta Materialia, 2011, 59, 5032-5039. | 7.9 | 68 |
| 82 | Measurement of the refractive index dispersion of As2Se3 bulk glass and thin films prior to and after laser irradiation and annealing using prism coupling in the near- and mid-infrared spectral range. Review of Scientific Instruments, 2011, 82, 053103. | 1.3 | 37 |
| 83 | Progress in direct nanoparticle deposition for the development of the next generation fiber lasers. Optical Engineering, 2011, 50, 111605. | 1.0 | 30 |
| 84 | Viscosity properties of tellurite-based glasses. Materials Research Bulletin, 2010, 45, 1861-1865. | 5.2 | 11 |
| 85 | Processing and characterization of new oxy-sulfo-telluride glasses in the Geâ€"Sbâ€"Teâ€"Sâ€"O system. Journal of Solid State Chemistry, 2010, 183, 1891-1899. | 2.9 | 7 |
| 86 | Spatially controlled dissolution of Ag nanoparticles in irradiated SiO2 solâ€"gel film. Journal of Physics and Chemistry of Solids, 2010, 71, 1634-1638. | 4.0 | 12 |
| 87 | Processing and characterization of coreâ€"clad tellurite glass preforms and fibers fabricated by rotational casting. Optical Materials, 2010, 32, 582-588. | 3.6 | 21 |
| 88 | Amorphous Tm3+ doped sulfide thin films fabricated by sputtering. Optical Materials, 2010, 33, 220-226. | 3.6 | 19 |
| 89 | Thermal and Structural Property Characterization of Commercially Moldable Glasses. Journal of the American Ceramic Society, 2010, 93, 2207-2214. | 3.8 | 20 |
| 90 | Optical loss reduction in high-index-contrast chalcogenide glass waveguides via thermal reflow. Optics Express, 2010, 18, 1469. | 3.4 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Nucleation and growth behavior of glasses in the TeO2â€"Bi2O3â€"ZnO glass system. Journal of Non-Crystalline Solids, 2010, 356, 2947-2955. | 3.1 | 38 |
| 92 | PROGRESS ON THE FABRICATION OF ON-CHIP, INTEGRATED CHALCOGENIDE GLASS (CHG)-BASED SENSORS. Journal of Nonlinear Optical Physics and Materials, 2010, 19, 75-99. | 1.8 | 43 |
| 93 | Chalcogenide Glasses and their Photosensitivity: Engineered Materials for Device Applications. , 2010, , . | | 1 |
| 94 | Towards on-chip, integrated chalcogenide glass based biochemical sensors. , 2010, , . | | 0 |
| 95 | Spin-coated Ge23Sb7S70 Thin Films with Large Photo-induced Refractive Index Change. , 2010, , . | | 1 |
| 96 | Engineering of Glasses for Advanced Optical Fiber Applications. Journal of Engineered Fibers and Fabrics, 2009, 4, 155892500900400. | 1.0 | 1 |
| 97 | Cavity-enhanced photosensitivity in chalcogenide glass. , 2009, , . | | 0 |
| 98 | Application of Micro-thermal Analysis for Metal, Oxide, and Non-oxide Thin Film Materials. , 2009, , . | | 1 |
| 99 | Viscosity properties of sodium borophosphate glasses. Materials Research Bulletin, 2009, 44, 1031-1035. | 5.2 | 20 |
| 100 | Processing and characterization of new passive and active oxysulfide glasses in the Geâ€"Gaâ€"Sbâ€"Sâ€"O system. Journal of Solid State Chemistry, 2009, 182, 2646-2655. | 2.9 | 9 |
| 101 | Compositional dependence of the nonlinear refractive index of new germanium-based chalcogenide glasses. Journal of Solid State Chemistry, 2009, 182, 2756-2761. | 2.9 | 74 |
| 102 | Thermal and structural characterization of selenium-rich Asâ€"Se fibers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 156, 32-35. | 3.5 | 9 |
| 103 | Effect of Ga and Se addition on the â€œnear-surfaceâ€• photo-response of new Ge-based chalcogenide glasses under IR femtosecond laser exposure. Optical Materials, 2009, 31, 965-969. | 3.6 | 6 |
| 104 | Development of novel integrated bio/chemical sensor systems using chalcogenide glass materials. International Journal of Nanotechnology, 2009, 6, 799. | 0.2 | 8 |
| 105 | Spin-coating of Ge23Sb7S70 chalcogenide glass thin films. Journal of Non-Crystalline Solids, 2009, 355, 2272-2278. | 3.1 | 67 |
| 106 | Cavity-Enhanced IR Absorption in Planar Chalcogenide Glass Microdisk Resonators: Experiment and Analysis. Journal of Lightwave Technology, 2009, 27, 5240-5245. | 4.6 | 43 |
| 107 | Estimation of peak Raman gain coefficients for Barium-Bismuth-Tellurite glasses from spontaneous Raman cross-section experiments. Optics Express, 2009, 17, 9071. | 3.4 | 42 |
| 108 | Integrating optics and micro-fluidic channels using femtosecond laser irradiation. , 2009, , . | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Progress on the Fabrication of On-Chip, Integrated Chalcogenide Glass (ChG)-based Sensors. , 2009, , . | | 1 |
| 110 | Optical loss reduction in HIC chalcogenide glass waveguides via thermal reflow. , 2009, , . | | 2 |
| 111 | Spin-coating of Ge23Sb7S70 Chalcogenide Glass Thin Films. , 2009, , . | | 0 |
| 112 | Processing and characterization of new oxysulfide glasses in the Geâ€“Gaâ€“Asâ€“Sâ€“O system. Journal of Solid State Chemistry, 2008, 181, 2869-2876. | 2.9 | 9 |
| 113 | Exploration of waveguide fabrication from thermally evaporated Geâ€“Sbâ€“S glass films. Optical Materials, 2008, 30, 1560-1566. | 3.6 | 32 |
| 114 | Progress on the Photoresponse of Chalcogenide Glasses and Films to Near-Infrared Femtosecond Laser Irradiation: A Review. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 1323-1334. | 2.9 | 33 |
| 115 | Preparation and characterization of germanium oxysulfide glassy films for optics. Materials Research Bulletin, 2008, 43, 1179-1187. | 5.2 | 17 |
| 116 | Formation and dissolution of copper-based nanoparticles in SiO2 solâ€“gel film using heat treatment and/or UV light exposure. Materials Research Bulletin, 2008, 43, 3130-3139. | 5.2 | 8 |
| 117 | Demonstration of chalcogenide glass racetrack microresonators. Optics Letters, 2008, 33, 761. | 3.3 | 55 |
| 118 | Planar waveguide-coupled, high-index-contrast, high-Q resonators in chalcogenide glass for sensing. Optics Letters, 2008, 33, 2500. | 3.3 | 107 |
| 119 | Femtosecond laser photo-response of Ge_23Sb_7S_70 films. Optics Express, 2008, 16, 20081. | 3.4 | 26 |
| 120 | Design, fabrication. and integration of HIC glass waveguides on a silicon platform. , 2008, , . | | 0 |
| 121 | Integrated HIC high-Q resonators in chalcogenide glass. , 2008, , . | | 0 |
| 122 | Microstructured chalcogenide glasses using femtosecond laser irradiation or photolithography. , 2008, , . | | 0 |
| 123 | Establishment of an ABAQUS Model to Predict Final Size and Shape of a Molded Glass Lens. , 2008, , . | | 0 |
| 124 | Refractive index modifications in Chalcogenide films induced by sub-bandgap near-IR femtosecond pulses. , 2007, , . | | 0 |
| 125 | Low-loss integrated planar chalcogenide waveguides for microfluidic chemical sensing. , 2007, , . | | 9 |
| 126 | Fabrication and testing of planar chalcogenide waveguide integrated microfluidic sensor. Optics Express, 2007, 15, 2307. | 3.4 | 159 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Si-CMOS-compatible lift-off fabrication of low-loss planar chalcogenide waveguides. Optics Express, 2007, 15, 11798. | 3.4 | 100 |
| 128 | Low-loss high-index-contrast planar waveguides with graded-index cladding layers. Optics Express, 2007, 15, 14566. | 3.4 | 28 |
| 129 | Formation/dissolution of metallic nanoparticles in SiO2 film using cw and ns UV exposure. , 2007, , . | | 0 |
| 130 | Studies on structural, electrical, and optical properties of Cu doped Asâ€“Seâ€“Te chalcogenide glasses. Journal of Applied Physics, 2007, 101, 063520. | 2.5 | 21 |
| 131 | Measurement of Photo-Induced Refractive Index Change in As<inf>0.42-x-y</inf>Ge<inf>x</inf>Sb<inf>y</inf>S<inf>0.58</inf> Bulks Induced by Fs Near IR Laser Exposure. , 2007, , . | | 0 |
| 132 | Effect of IR femtosecond laser irradiation on the structure of new sulfo-selenide glasses. Optical Materials, 2007, 29, 1075-1083. | 3.6 | 32 |
| 133 | Correlation between the nonlinear refractive index and structure of germanium-based chalcogenide glasses. Materials Research Bulletin, 2007, 42, 2107-2116. | 5.2 | 29 |
| 134 | Luminescence properties of Eu3+ or Dy3+/Au co-doped SiO2 nanoparticles. Materials Letters, 2007, 61, 2879-2882. | 2.6 | 20 |
| 135 | Nonlinear optical properties of glasses in the system Ge/Ga-Sb-S/Se. Optics Letters, 2006, 31, 1495. | 3.3 | 56 |
| 136 | Raman gain measurements and photo-induced transmission effects of germanium- and arsenic-based chalcogenide glasses. Optics Express, 2006, 14, 11702. | 3.4 | 27 |
| 137 | Effect of the substitution of S for Se on the structure and non-linear optical properties of the glasses in the system Ge0.18Ga0.05Sb0.07S0.70â^'xSex. Journal of Non-Crystalline Solids, 2006, 352, 5413-5420. | 3.1 | 35 |
| 138 | Effect of niobium oxide introduction on erbium luminescence in borophosphate glasses. Optical Materials, 2006, 28, 172-180. | 3.6 | 38 |
| 139 | Correlation between physical, optical and structural properties of sulfide glasses in the system Geâ€“Sbâ€“S. Materials Chemistry and Physics, 2006, 97, 64-70. | 4.0 | 113 |
| 140 | Effect of the substitution of S for Se on the structure of the glasses in the system Ge0.23Sb0.07S0.70â^'xSex. Journal of Physics and Chemistry of Solids, 2005, 66, 1788-1794. | 4.0 | 45 |
| 141 | Fabrication and characterization of new Er3+ doped niobium borophosphate glass fiber. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 117, 283-286. | 3.5 | 7 |
| 142 | Erbium luminescence properties of niobium-rich oxide glasses. Journal of Non-Crystalline Solids, 2005, 351, 2076-2084. | 3.1 | 14 |
| 143 | Femtosecond laser microstructuring and refractive index modification applied to laser and photonic devices. , 2004, 5347, 18. | | 7 |
| 144 | Femtosecond direct-writing of waveguide in non-oxide glasses. , 2004, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Anion exchange of oxygen by sulfur in GeO 2 -based glasses. , 2003, , . | | 3 |
| 146 | Second harmonic generation in thermally poled Bi 2 O 3 -ZnO-TeO 2 glasses. , 2003, 4987, 292. | | 1 |
| 147 | Effect of the introduction of Na2B4O7 on erbium luminescence in tellurite glasses. Journal of Non-Crystalline Solids, 2002, 298, 76-88. | 3.1 | 31 |
| 148 | Sub-micrometer silica spheres dissymmetrically decorated with gold nanoclusters. Materials Letters, 2001, 51, 478-484. | 2.6 | 40 |
| 149 | Dissymmetric silica nanospheres: a first step to difunctionalized nanomaterials. Journal of Materials Chemistry, 2000, 10, 253-254. | 6.7 | 43 |
| 150 | Study of visible, NIR and MIR spectroscopic properties of Er <sup>3+</sup> doped tellurite glasses and glassâ€ceramics. Journal of the American Ceramic Society, 0, , . | 3.8 | 2 |