

Sidney A Lourenço

List of Publications by Year in descending order

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papers

628
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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Study of the optical and structural properties of the phosphate glass doped with CdS nanocrystals and co-doped with Nd ³⁺ ions. Journal of Alloys and Compounds, 2021, 864, 158126. | 5.5 | 11 |
| 2 | Design experiment (parameters) applied to PEDOT: PSS/AgNW composite doped with EG for transparent conductive films. Journal of Molecular Liquids, 2021, 329, 115516. | 4.9 | 3 |
| 3 | Hydroxyapatite-coated liposomes for the controlled release of quantum dots and bupivacaine. Journal of Materials Research, 2021, 36, 3021-3030. | 2.6 | 3 |
| 4 | Incorporation of nanomaterials on the electrospun membrane process with potential use in water treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126775. | 4.7 | 10 |
| 5 | Investigation of structural and optical properties of Pb _{1-x} CoxS nanocrystals embedded in chalcogenide glass. Materials Chemistry and Physics, 2021, 269, 124766. | 4.0 | 7 |
| 6 | Application of heterostructured CdS/ZnS quantum dots as luminescence down-shifting layer in P3HT:PCBM solar cells. Journal of Luminescence, 2021, 237, 118178. | 3.1 | 10 |
| 7 | Fast and Low-Cost Synthesis of MoS ₂ Nanostructures on Paper Substrates for Near-Infrared Photodetectors. Applied Sciences (Switzerland), 2021, 11, 1234. | 2.5 | 19 |
| 8 | Electrospun fibers of poly (vinyl alcohol): zinc acetate (PVA:AcZn) and further ZnO production: evaluation of PVA:AcZn ratio and annealing temperature effects on ZnO structure. Journal of Nanoparticle Research, 2020, 22, 1. | 1.9 | 4 |
| 9 | Effect of thermal annealing and sp-d exchange interaction in the optical properties of Mn ²⁺ -doped PbS nanocrystals embedded in a glass matrix. Journal of Luminescence, 2020, 222, 117144. | 3.1 | 10 |
| 10 | A sensitive electrochemical sensor for Pb ²⁺ ions based on ZnO nanofibers functionalized by L-cysteine. Journal of Molecular Liquids, 2020, 309, 113041. | 4.9 | 45 |
| 11 | Surface Engineering in Alloyed CdSe/Cd _x CdS _{1-x} /CdS Core-Shell Colloidal Quantum Dots for Enhanced Optoelectronic Applications. Engineering Materials, 2020, , 189-205. | 0.6 | 2 |
| 12 | Effect of intermediate phases on the optical properties of PbI ₂ -rich CH ₃ NH ₃ PbI ₃ organic-inorganic hybrid perovskite. Physical Chemistry Chemical Physics, 2019, 21, 5253-5261. | 2.8 | 14 |
| 13 | Concentration effect on the optical and magnetic properties of Co ²⁺ -doped Bi ₂ S ₃ semimagnetic nanocrystals growth in glass matrix. Journal of Alloys and Compounds, 2018, 740, 974-979. | 5.5 | 22 |
| 14 | Optical properties of Cr-doped Zn _{1-x} MnxTe semimagnetic nanocrystals. Applied Physics Letters, 2018, 112, 063102. | 3.3 | 5 |
| 15 | Influence of order-disorder effects on the magnetic and optical properties of NiFe ₂ O ₄ nanoparticles. Ceramics International, 2018, 44, 17290-17297. | 4.8 | 81 |
| 16 | Study of the thermal-optics parameters of Nd ³⁺ -doped phosphate glass as a function of temperature. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 17 | Effect of Co co-doping on the optical properties of ZnTe:Mn nanocrystals. Physical Chemistry Chemical Physics, 2017, 19, 1158-1166. | 2.8 | 11 |
| 18 | Optical Properties of Semiconductor Nanocrystals into the Glass and Colloidal Environments for New Technological Applications. , 2017, , 155-175. | | 0 |

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|----|---|-----|-----------|
| 19 | Characterization of digital textile printing and polymer blend (PFO-DMP:P3HT) for application in manufacture of organic diodes emitting white light – WOLEDs. <i>Optical Materials</i> , 2016, 62, 119-131. | 3.6 | 6 |
| 20 | Tunable dual emission in visible and near-infrared spectra using Co ²⁺ -doped PbSe nanocrystals embedded in a chalcogenide glass matrix. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23036-23043. | 2.8 | 17 |
| 21 | Thermal window of constant luminescence quantum efficiency of Nd ³⁺ -doped phosphate glass. <i>Journal of Luminescence</i> , 2016, 180, 81-87. | 3.1 | 8 |
| 22 | Mn concentration-dependent tuning of Mn ²⁺ d emission of Zn _{1-x} Mn _x Te nanocrystals grown in a glass system. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6069-6076. | 2.8 | 31 |
| 23 | Structural and Optical Properties of Co ²⁺ -Doped PbSe Nanocrystals in Chalcogenide Glass Matrix. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13277-13282. | 3.1 | 18 |
| 24 | Annealing time on carrier dynamics of ZnTe nanoparticles embedded in a near ultraviolet-transparent glass. <i>Chemical Physics Letters</i> , 2014, 599, 146-153. | 2.6 | 7 |
| 25 | Evidence of phase transition in Nd ³⁺ -doped phosphate glass determined by thermal lens spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1583-1589. | 2.8 | 9 |
| 26 | High Quantum Efficiency of Nd ³⁺ Ions in a Phosphate Glass System using the Judd–Ofelt Theory. <i>Brazilian Journal of Physics</i> , 2013, 43, 230-238. | 1.4 | 27 |
| 27 | Efficient energy transfer mediated by intrinsic SiO ₂ nanocrystals in Eu ³⁺ -doped lead borosilicate glasses. <i>Materials Chemistry and Physics</i> , 2013, 139, 471-477. | 4.0 | 5 |
| 28 | Luminescence in semimagnetic Pb _{1-x} Mn _x Se quantum dots grown in a glass host: Radiative and nonradiative emission processes. <i>Chemical Physics Letters</i> , 2013, 567, 23-26. | 2.6 | 14 |
| 29 | Fluorescence quantum efficiency dependent on the concentration of Nd ³⁺ -doped phosphate glass. , 2013, , . | | 0 |
| 30 | Thermal activated energy transfer between luminescent states of Mn ²⁺ -doped ZnTe nanoparticles embedded in a glass matrix. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3520. | 2.8 | 29 |
| 31 | Fluorescence quantum efficiency dependent on the concentration of Nd ³⁺ doped phosphate glass. <i>Chemical Physics Letters</i> , 2012, 547, 38-41. | 2.6 | 28 |
| 32 | Carrier dynamics in the luminescent states of Cd _{1-x} Mn _x S nanoparticles: effects of temperature and x-concentration. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1493-1501. | 2.8 | 25 |
| 33 | Growth kinetic on the optical properties of the Pb _{1-x} MnxSe nanocrystals embedded in a glass matrix: thermal annealing and Mn ²⁺ concentration. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11040. | 2.8 | 23 |
| 34 | Magneto-optical properties of Cd _{1-x} MnxS nanoparticles: influences of magnetic doping, Mn ²⁺ ions localization, and quantum confinement. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3248. | 2.8 | 27 |
| 35 | Analysis of confinement potential fluctuation and band-gap renormalization effects on excitonic transition in GaAs/AlGaAs multiquantum wells grown on (100) and (311)A GaAs surfaces. <i>Physica B: Condensed Matter</i> , 2012, 407, 2131-2135. | 2.7 | 4 |
| 36 | Eu ³⁺ photoluminescence enhancement due to thermal energy transfer in Eu ₂ O ₃ -doped SiO ₂ –B ₂ O ₃ –PbO ₂ glasses system. <i>Journal of Luminescence</i> , 2011, 131, 850-855. | 3.1 | 43 |

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|----|---|-----|-----------|
| 37 | Influence of crystal field potential on the spectroscopic parameters of SiO ₂ -B ₂ O ₃ -PbO glass doped with Nd ₂ O ₃ . Journal of Luminescence, 2011, 131, 1029-1036. | 3.1 | 19 |
| 38 | Effects of temperature on transition energies of GaAsSbN/GaAs single quantum wells. Journal of Physics Condensed Matter, 2011, 23, 325801. | 1.8 | 2 |
| 39 | Interdot carrier transfer in semimagnetic Pb _{1-x} MnxSe nanocrystals embedded in oxide glass. Journal of Luminescence, 2010, 130, 2118-2122. | 3.1 | 13 |
| 40 | Comparison of some theoretical models for fittings of the temperature dependence of the fundamental energy gap in GaAs. Brazilian Journal of Physics, 2010, 40, 15-21. | 1.4 | 5 |
| 41 | Investigation of the physical properties of new PZT modified tellurium oxide (TeO ₂ -B ₂ O ₃ -PbO ₂ : TBP) glasses. Journal of Non-Crystalline Solids, 2010, 356, 2350-2354. | 3.1 | 10 |
| 42 | Effects of confinement on the electron-phonon interaction in Al _{0.18} Ga _{0.82} As/GaAs quantum wells. Journal of Physics Condensed Matter, 2009, 21, 155601. | 1.8 | 1 |