

Luis H C Andrade

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3661885/publications.pdf>

Version: 2024-02-01

92
papers

1,620
citations

257450

24
h-index

361022

35
g-index

93
all docs

93
docs citations

93
times ranked

1738
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ecological aspects of aquatic macrophytes for environmental pollution control: An eco-remedial approach. , 2022, , 497-523. | | 1 |
| 2 | Differential absorption saturation in laser cooled Yb:LiYF ₄ . Optical Materials, 2022, 128, 112404. | 3.6 | 2 |
| 3 | Thermal Lens Spectrometry Reveals Thermo-Optical Property Tuning of Conjugated Polymer Nanoparticles Prepared by Microfluidics. ACS Applied Polymer Materials, 2022, 4, 6219-6228. | 4.4 | 2 |
| 4 | Combination of broad emission bands of Ti ^{3+,4+} / Eu ^{2+,3+} co-doped OH ⁻ free low silica calcium aluminosilicate glasses as emitting phosphors for white lighting devices. Journal of Alloys and Compounds, 2021, 853, 155898. | 5.5 | 8 |
| 5 | Intraspecific differentiation of sandflies specimens by optical spectroscopy and multivariate analysis. Journal of Biophotonics, 2021, 14, e202000412. | 2.3 | 8 |
| 6 | Wastewater treatment using Mg-doped ZnO nano-semiconductors: A study of their potential use in environmental remediation. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 407, 113078. | 3.9 | 13 |
| 7 | Al ₂ O ₃ nanoparticle polymorphs: effects of Zn ²⁺ doping on the structural, optical and cytotoxic properties. Bulletin of Materials Science, 2021, 44, 1. | 1.7 | 4 |
| 8 | Influence of synthesis temperature and atmosphere on Te ⁴⁺ ion formation in lithium tellurite glass. Ceramics International, 2021, 47, 32195-32201. | 4.8 | 3 |
| 9 | Modeling transesterification reaction kinetics using fluorescence spectroscopy to interpret biodiesel production. Chemical Engineering Science, 2020, 211, 115292. | 3.8 | 6 |
| 10 | Eu ^{2+,3+} /Pr ³⁺ co-doped calcium aluminosilicate glass for tunable white lighting devices. Journal of Alloys and Compounds, 2020, 817, 153319. | 5.5 | 9 |
| 11 | A Novel Route for a Fluorescent Temperature Sensor Based on the Reabsorption Process in Sm ²⁺ doped KCl. Physica Status Solidi (B): Basic Research, 2020, 257, 1900484. | 1.5 | 1 |
| 12 | New approach to application of mid-infrared photoacoustic spectroscopy in forensic analysis: Study with the necrophagous blow fly <i>Chrysomya megacephala</i> (Diptera: Calliphoridae). Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111934. | 3.8 | 5 |
| 13 | Development of a Neutral Diketopyrrolopyrrole Phosphine Oxide for the Selective Bioimaging of Mitochondria at the Nanomolar Level. Chemistry - A European Journal, 2020, 26, 3173-3180. | 3.3 | 15 |
| 14 | In vitro and in vivo impact assessment of eco-designed CuO nanoparticles on non-target aquatic photoautotrophic organisms. Journal of Hazardous Materials, 2020, 396, 122484. | 12.4 | 23 |
| 15 | True absolute determination of photoluminescence quantum yields by coupling multiwavelength thermal lens and photoluminescence spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 25156-25164. | 2.8 | 8 |
| 16 | Effect of Larval Topical Application of Juvenile Hormone on Cuticular Chemical Composition of <i>Mischocyttarus consimilis</i> (Vespidae: Polistinae) Females. Sociobiology, 2020, 67, 433. | 0.5 | 5 |
| 17 | Laser cooling of Yb ³⁺ :KYW. Optics Express, 2020, 28, 2778. | 3.4 | 6 |
| 18 | Investigation of allowed and forbidden electronic transitions in rare earth doped materials for laser cooling application by thermal lens spectroscopy. Optical Materials, 2019, 95, 109195. | 3.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of lithium addition on Te ⁴⁺ emission in TeO ₂ -Li ₂ O glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 524, 119609. | 3.1 | 11 |
| 20 | Monitoring of the ester production by near-infrared thermal lens spectroscopy. <i>Fuel</i> , 2019, 253, 1090-1096. | 6.4 | 20 |
| 21 | How does aquatic macrophyte <i>Salvinia auriculata</i> respond to nanoceria upon an increased CO ₂ source? A Fourier transform-infrared photoacoustic spectroscopy and chlorophyll a fluorescence study. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 526-534. | 6.0 | 9 |
| 22 | Sonochemical synthesis of highly luminescent silver complexes: Photophysical properties and preliminary in vitro antitumor and antibacterial assays. <i>Inorganica Chimica Acta</i> , 2019, 492, 235-242. | 2.4 | 18 |
| 23 | Comparison of optical spectroscopy techniques for monitoring the stages of thermoxidation of soybean biodiesel. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 217, 190-196. | 3.9 | 2 |
| 24 | Use of fish scales in environmental monitoring by the application of Laser-Induced Breakdown Spectroscopy (LIBS). <i>Chemosphere</i> , 2019, 228, 258-263. | 8.2 | 23 |
| 25 | Decontamination and disinfection of wastewater by photocatalysis under UV/visible light using nano-catalysts based on Ca-doped ZnO. <i>Journal of Environmental Management</i> , 2019, 240, 485-493. | 7.8 | 37 |
| 26 | Spectroscopic investigation and interest of Pr ³⁺ -doped calcium aluminosilicate glass. <i>Journal of Luminescence</i> , 2019, 210, 376-382. | 3.1 | 23 |
| 27 | Cytotoxic and genotoxic effects of silver nanoparticles on meristematic cells of <i>Allium cepa</i> roots: A close analysis of particle size dependence. <i>Science of the Total Environment</i> , 2019, 660, 459-467. | 8.0 | 102 |
| 28 | On the efficient Te ⁴⁺ -Yb ³⁺ cooperative energy transfer mechanism in tellurite glasses: A potential material for luminescent solar concentrators. <i>Journal of Alloys and Compounds</i> , 2019, 781, 1119-1126. | 5.5 | 29 |
| 29 | Evaluation of Inter and Intraspecific Differences in the Venom Chemical Compositions of <i>Polybia paulista</i> Wasps and <i>Ectatomma brunneum</i> Ants Using FTIR-PAS. <i>Sociobiology</i> , 2019, 66, 515. | 0.5 | 0 |
| 30 | Observation of a Te ⁴⁺ center with broad red emission band and high fluorescence quantum efficiency in TeO ₂ -Li ₂ O glass. <i>Journal of Luminescence</i> , 2018, 198, 24-27. | 3.1 | 21 |
| 31 | Use of Fourier transform infrared spectroscopy to monitor sugars in the beer mashing process. <i>Food Chemistry</i> , 2018, 263, 112-118. | 8.2 | 20 |
| 32 | Near-infrared thermal lens spectroscopy to assess overtones and combination bands of sulfentrazone pesticide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 32-36. | 3.9 | 12 |
| 33 | Determination of the biodiesel content in diesel/biodiesel blends by using the near-infrared thermal lens spectroscopy. <i>Fuel</i> , 2018, 212, 309-314. | 6.4 | 19 |
| 34 | Eu ³⁺ -doped alumino-phosphate glass for ratiometric thermometer based on the excited state absorption. <i>Journal of Luminescence</i> , 2018, 193, 39-43. | 3.1 | 45 |
| 35 | Fluorescence spectroscopy applied in lubricant oils. <i>Orbital</i> , 2018, 10, . | 0.3 | 1 |
| 36 | Low Temperature Synthesis of Several Titanium Dioxide Solid Solutions through the Sol-Gel Method. <i>Orbital</i> , 2018, 10, . | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Monitoring the Transesterification Reaction of Vegetable Oil to Biodiesel by Fluorescence Spectroscopy with UV Excitation: Correlation with Viscosity. <i>Orbital</i> , 2018, 10, . | 0.3 | 0 |
| 38 | High Nd ³⁺ Yb ³⁺ energy transfer efficiency in tungsten-tellurite glass: A promising converter for solar cells. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1956-1962. | 3.8 | 23 |
| 39 | Observation of intra- and interspecific differences in the nest chemical profiles of social wasps (Hymenoptera: Polistinae) using infrared photoacoustic spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 176, 165-170. | 3.8 | 8 |
| 40 | Intraspecific variation and influence of diet on the venom chemical profile of the <i>Ectatomma brunneum</i> Smith (Formicidae) ant evaluated by photoacoustic spectroscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 175, 200-206. | 3.8 | 11 |
| 41 | Effects of Al ³⁺ concentration on the optical, structural, photocatalytic and cytotoxic properties of Al-doped ZnO. <i>Journal of Alloys and Compounds</i> , 2017, 729, 978-987. | 5.5 | 35 |
| 42 | Influence of lattice modifier on the nonlinear refractive index of tellurite glass. <i>Ceramics International</i> , 2017, 43, 15201-15204. | 4.8 | 24 |
| 43 | Fluorescence quantum yield of Yb ³⁺ -doped tellurite glasses determined by thermal lens spectroscopy. <i>Optical Materials</i> , 2017, 63, 19-25. | 3.6 | 13 |
| 44 | Morphophysiological and cuticular chemical alterations caused by <i>Xenos entomophagus</i> endoparasites in the social wasp <i>Polistes ferreri</i> (Hymenoptera, Vespidae). <i>Parasitology</i> , 2016, 143, 1939-1944. | 1.5 | 4 |
| 45 | On the induction of homogeneous bulk crystallization in Eu-doped calcium aluminosilicate glass by applying simultaneous high pressure and temperature. <i>Journal of Applied Physics</i> , 2016, 119, 245901. | 2.5 | 3 |
| 46 | Structural, thermal, optical properties and cytotoxicity of PMMA/ZnO fibers and films: Potential application in tissue engineering. <i>Applied Surface Science</i> , 2016, 385, 257-267. | 6.1 | 46 |
| 47 | Laser-induced fluorescence in fish scales to evaluate the environmental integrity of ecosystems. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 80-86. | 3.8 | 3 |
| 48 | Uncommon and Emissive {Au ₂ (C ₃ H ₆ NS ₂) ₂ }[Au(C ₃ H ₆ NS ₂) ₂] ₂ Mixed Au ⁺ and Au ³⁺ Pseudotetranuclear Crystalline Compound: Synthesis, Structural Characterization, and Optical Properties. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9249-9256. | 2.5 | 5 |
| 49 | High Surface-Enhanced Raman Scattering (SERS) Amplification Factor Obtained with Silver Printed Circuit Boards and the Influence of Phenolic Resins for the Characterization of the Pesticide Thiram. <i>Applied Spectroscopy</i> , 2016, 70, 1157-1164. | 2.2 | 9 |
| 50 | <i>In situ</i> structural analysis of calcium aluminosilicate glasses under high pressure. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 315402. | 1.8 | 15 |
| 51 | Synthesis and luminescent properties of Eu ³⁺ /Eu ²⁺ co-doped calcium aluminosilicate glass-ceramics. <i>Journal of Luminescence</i> , 2016, 169, 528-533. | 3.1 | 29 |
| 52 | Discrimination of <i>Astyanax altiparanae</i> (Characiformes, Characidae) populations by applying Fourier transform-infrared photoacoustic spectroscopy in the fish scales. <i>Infrared Physics and Technology</i> , 2016, 76, 303-307. | 2.9 | 5 |
| 53 | Chemical signals might mediate interactions between females and juveniles of <i>Latrodectus geometricus</i> (Araneae: Theridiidae). <i>Behavioural Processes</i> , 2016, 126, 27-35. | 1.1 | 10 |
| 54 | Spectroscopic properties of Nd ³⁺ -doped tungsten-tellurite glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 88, 54-59. | 4.0 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Characterization of Nd ³⁺ -doped Tellurite Glasses with Low OH Content. <i>Materials Research</i> , 2015, 18, 2-7. | 1.3 | 15 |
| 56 | Fluorescence analysis of iodinated acetophenone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 63-67. | 3.9 | 1 |
| 57 | On-line in situ monitoring of the soybean oil and ethanol transesterification reaction by fluorescence spectroscopy. <i>Fuel</i> , 2015, 145, 109-115. | 6.4 | 10 |
| 58 | Fourier transform-infrared photoacoustic spectroscopy applied in fish scales to access environmental integrity: A case study of <i>Astyanax altiparanae</i> species. <i>Infrared Physics and Technology</i> , 2015, 72, 84-89. | 2.9 | 10 |
| 59 | New metalorgano-chalcogenide compounds based on polymeric frameworks constructed by Se-Hg intermolecular interactions: Preparation, structural characterization, and Raman evaluation. <i>Polyhedron</i> , 2015, 99, 96-102. | 2.2 | 2 |
| 60 | Emission tunability and local environment in europium-doped OH ⁻ -free calcium aluminosilicate glasses for artificial lighting applications. <i>Materials Chemistry and Physics</i> , 2015, 156, 214-219. | 4.0 | 25 |
| 61 | On observation of the downconversion mechanism in Er ³⁺ /Yb ³⁺ co-doped tellurite glass using thermal and optical parameters. <i>Journal of Luminescence</i> , 2015, 157, 365-370. | 3.1 | 27 |
| 62 | Polydomy in the ant <i>Ectatomma opaciventre</i> . <i>Journal of Insect Science</i> , 2014, 14, 21. | 1.5 | 3 |
| 63 | White-light-emitting KCl:Eu ²⁺ /KCN crystal for solid-state lighting devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10149-10156. | 5.5 | 8 |
| 64 | Polydomy in the ant <i>Ectatomma opaciventre</i> . <i>Journal of Insect Science</i> , 2014, 14, 1-16. | 1.5 | 3 |
| 65 | Reproductive Status of the social wasp <i>Polistes versicolor</i> (Hymenoptera, Vespidae). <i>Sociobiology</i> , 2014, 61, . | 0.5 | 18 |
| 66 | Fourier transform infrared photoacoustic spectroscopy as a potential tool in assessing the role of diet in cuticular chemical composition of <i>Ectatomma brunneum</i> . <i>Genetics and Molecular Research</i> , 2014, 13, 10035-10048. | 0.2 | 16 |
| 67 | Social Parasitism and Dynamics of Cuticular Hydrocarbons in Paper Wasps of the Genus <i>Mischocyttarus</i> . <i>Journal of the Kansas Entomological Society</i> , 2013, 86, 69-77. | 0.2 | 14 |
| 68 | Eu ²⁺ -doped OH ⁻ free calcium aluminosilicate glass: A phosphor for smart lighting. <i>Journal of Luminescence</i> , 2013, 143, 600-604. | 3.1 | 17 |
| 69 | Luminescence quantum efficiency at 1.514 μm of Er ³⁺ -doped tellurite glass determined by thermal lens spectroscopy. <i>Optical Materials</i> , 2013, 35, 2400-2404. | 3.6 | 13 |
| 70 | The use of thermal lens spectroscopy to assess oil-biodiesel blends. <i>Fuel</i> , 2013, 103, 506-511. | 6.4 | 27 |
| 71 | Modeling the population lens effect in thermal lens spectrometry. <i>Optics Letters</i> , 2013, 38, 422. | 3.3 | 24 |
| 72 | Resonant excited state absorption and relaxation mechanisms in Tb ³⁺ -doped calcium aluminosilicate glasses: an investigation by thermal mirror spectroscopy. <i>Optics Letters</i> , 2013, 38, 4667. | 3.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | Thermo-optical characterization of tellurite glasses by thermal lens, thermal relaxation calorimetry and interferometric methods. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3603-3607. | 3.1 | 30 |
| 92 | Intraspecific discrimination of fish populations by fluorescence spectroscopy. <i>Acta Scientiarum - Technology</i> , 0, 43, e48395. | 0.4 | 0 |