

Lucas Carvalho Veloso Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,138
citations

393982

19
h-index

395343

33
g-index

45
all docs

45
docs citations

45
times ranked

1101
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Flexible translucent persistent luminescent films based on Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ ,Dy ³⁺ cellulose ether composites. Dalton Transactions, 2022, 51, 9138-9143. | 1.6 | 5 |
| 2 | Lanthanide Materials for Sensing. , 2021, , . | | 0 |
| 3 | Deep-red activated persistent luminescence nanoparticles via upconversion. , 2021, , . | | 0 |
| 4 | Bringing Earth-Abundant Plasmonic Catalysis to Light: Gram-Scale Mechanochemical Synthesis and Tuning of Activity by Dual Excitation of Antenna and Reactor Sites. ACS Sustainable Chemistry and Engineering, 2021, 9, 9750-9760. | 3.2 | 7 |
| 5 | Detection of X-Ray Doses with Color-Changing Hackmanites: Mechanism and Application. Advanced Optical Materials, 2021, 9, 2100762. | 3.6 | 12 |
| 6 | Toward an energy-efficient synthesis method to improve persistent luminescence of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ ,Dy ³⁺ materials. Materialia, 2021, 20, 101226. | 1.3 | 6 |
| 7 | Detection of X-Ray Doses with Color-Changing Hackmanites: Mechanism and Application (Advanced) Tj ETQq1 1 0.784314 rgBT / 3.6 2 | 3.6 | 12 |
| 8 | Structural and optical properties of europium- and titanium-doped Y ₂ O ₃ nanoparticles. Luminescence, 2020, 35, 456-465. | 1.5 | 1 |
| 9 | Opportunities for Persistent Luminescent Nanoparticles in Luminescence Imaging of Biological Systems and Photodynamic Therapy. Nanomaterials, 2020, 10, 2015. | 1.9 | 32 |
| 10 | Abnormal co-doping effect on the red persistent luminescence SrS:Eu ²⁺ ,RE ³⁺ materials. Dalton Transactions, 2020, 49, 16386-16393. | 1.6 | 19 |
| 11 | Yb ³⁺ /Er ³⁺ co-doped Dion-Jacobson niobium layered perovskites as NIR-to-green upconversion materials. New Journal of Chemistry, 2020, 44, 10165-10171. | 1.4 | 4 |
| 12 | Persistent luminescence excitation spectroscopy of BaAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ . Physica B: Condensed Matter, 2020, 593, 411947. | 1.3 | 12 |
| 13 | A new path to design near-infrared persistent luminescence materials using Yb ³⁺ -doped rare earth oxysulfides. Scripta Materialia, 2019, 164, 57-61. | 2.6 | 9 |
| 14 | X-ray excited optical luminescence and morphological studies of Eu-doped LiAl ₅ O ₈ . Physica B: Condensed Matter, 2019, 559, 62-65. | 1.3 | 8 |
| 15 | X-ray scintillator Gd ₂ O ₂ S:Tb ³⁺ materials obtained by a rapid and cost-effective microwave-assisted solid-state synthesis. Journal of Alloys and Compounds, 2019, 777, 638-645. | 2.8 | 23 |
| 16 | Red- and green-emitting nano-clay materials doped with Eu ³⁺ and/or Tb ³⁺ . Luminescence, 2019, 34, 23-38. | 1.5 | 4 |
| 17 | Persistent luminescence of inorganic nanophosphors prepared by wet-chemical synthesis. Journal of Alloys and Compounds, 2018, 732, 705-715. | 2.8 | 21 |
| 18 | Persistent luminescence warm-light LEDs based on Ti-doped RE ₂ O ₂ S materials prepared by rapid and energy-saving microwave-assisted synthesis. Journal of Materials Chemistry C, 2018, 6, 8897-8905. | 2.7 | 39 |

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|----|--|-----|-----------|
| 19 | Rapid and Energy-Saving Microwave-Assisted Solid-State Synthesis of Pr ³⁺ , Eu ³⁺ , or Tb ³⁺ -Doped Lu ₂ O ₃ Persistent Luminescence Materials. ACS Applied Materials & Interfaces, 2016, 8, 19593-19604. | 4.0 | 75 |
| 20 | Synthesis and Characterization of CaMgSi ₂ O ₆ Activated by Eu ²⁺ . Materials Science Forum, 2016, 881, 30-34. | 0.3 | 2 |
| 21 | Persistent Luminescent Non-Doped Layered Nanosilicate. Materials Today: Proceedings, 2016, 3, 2822-2830. | 0.9 | 4 |
| 22 | Effect of lithium excess on the LiAl ₅ O ₈ :Eu luminescent properties under VUV excitation. Optical Materials Express, 2016, 6, 2871. | 1.6 | 22 |
| 23 | Valence control of Pr in ZrO ₂ nanocrystals by aliovalent Gd ³⁺ co-doping. Journal of Luminescence, 2016, 170, 627-632. | 1.5 | 9 |
| 24 | Magneto-optical studies of valence instability in europium and terbium phosphors. Journal of Luminescence, 2016, 170, 701-706. | 1.5 | 5 |
| 25 | Luminescence investigation of R ³⁺ -doped alkaline earth tungstates prepared by a soft chemistry method. Journal of Luminescence, 2016, 170, 736-742. | 1.5 | 21 |
| 26 | Structure-property relationship of luminescent zirconia nanomaterials obtained by sol-gel method. Journal of Materials Science, 2015, 50, 873-881. | 1.7 | 28 |
| 27 | Wavelength-sensitive energy storage in Sr ₃ MgSi ₂ O ₈ :Eu ²⁺ ,Dy ³⁺ . Journal of Thermal Analysis and Calorimetry, 2015, 121, 29-35. | 2.0 | 24 |
| 28 | Thermal behaviour of the NaYF ₄ :Yb ³⁺ ,R ³⁺ materials. Journal of Thermal Analysis and Calorimetry, 2015, 121, 37-43. | 2.0 | 20 |
| 29 | Persistent luminescence of cadmium silicates. Physica Scripta, 2014, 89, 044014. | 1.2 | 5 |
| 30 | Understanding Persistent Luminescence: Rare-Earth- and Eu ²⁺ -doped Sr ₂ MgSi ₂ O ₇ . Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 171-182. | 0.3 | 18 |
| 31 | On the mechanism of persistent up-conversion luminescence in the ZrO ₂ :Yb ³⁺ ,Er ³⁺ nanomaterials. Optical Materials, 2014, 36, 1698-1704. | 1.7 | 18 |
| 32 | Co-Dopant Influence on the Persistent Luminescence of BaAl ₂ O ₄ :Eu ²⁺ ,R ³⁺ . Physica B: Condensed Matter, 2014, 439, 67-71. | 1.3 | 33 |
| 33 | Enhancement of the up-conversion luminescence from NaYF ₄ :Yb ³⁺ ,Tb ³⁺ . Physica B: Condensed Matter, 2014, 439, 20-23. | 1.3 | 14 |
| 34 | Defect to R ³⁺ energy transfer: colour tuning of persistent luminescence in CdSiO ₃ . Journal of Materials Chemistry C, 2014, 2, 1612. | 2.7 | 69 |
| 35 | White up-conversion luminescence of NaYF ₄ :Yb ³⁺ ,Pr ³⁺ ,Er ³⁺ . Optical Materials, 2014, 36, 1627-1630. | 1.7 | 22 |
| 36 | Defects and Charge Compensation in CdSiO ₃ : A DFT and Synchrotron Study. Physics Procedia, 2013, 44, 1-9. | 1.2 | 8 |

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|----|--|-----|-----------|
| 37 | Persistent luminescence behavior of materials doped with Eu ²⁺ and Tb ³⁺ . Optical Materials Express, 2012, 2, 382. | 1.6 | 50 |
| 38 | DFT and synchrotron radiation study of Eu ²⁺ doped BaAl ₂ O ₄ . Optical Materials Express, 2012, 2, 420. | 1.6 | 41 |
| 39 | Persistent luminescence fading in Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ ,R ³⁺ materials: a thermoluminescence study. Optical Materials Express, 2012, 2, 287. | 1.6 | 22 |
| 40 | Influence of titanium and lutetium on the persistent luminescence of ZrO ₂ . Optical Materials Express, 2012, 2, 331. | 1.6 | 54 |
| 41 | Persistent luminescence mechanisms: human imagination at work. Optical Materials Express, 2012, 2, 371. | 1.6 | 204 |
| 42 | Discovery of the Persistent Luminescence Mechanism of CdSiO ₃ :Tb ³⁺ . Journal of Physical Chemistry C, 2012, 116, 11232-11240. | 1.5 | 118 |
| 43 | Optical energy storage properties of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ ,R ³⁺ persistent luminescence materials. Journal of Thermal Analysis and Calorimetry, 2011, 105, 657-662. | 2.0 | 44 |
| 44 | Green Synthesis of Upconverting NaYF ₄ and NaGdF ₄ Materials and Energy Levels Determination. Journal of the Brazilian Chemical Society, 0, , . | 0.6 | 4 |