

Rui Zhang

List of Publications by Year in descending order

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17
papers

951
citations

840776

11
h-index

940533

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17
docs citations

17
times ranked

1078
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A new-generation color converter for high-power white LED: transparent Ce ³⁺ :YAG phosphor-in-glass. <i>Laser and Photonics Reviews</i> , 2014, 8, 158-164. | 8.7 | 519 |
| 2 | Ce ³⁺ :Pr ³⁺ :YAGG: A Long Persistent Phosphor Activated by Blue-Light. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2539-2545. | 3.8 | 78 |
| 3 | The white light emission properties of Tm ³⁺ /Tb ³⁺ /Sm ³⁺ triply doped SrO-ZnO-P ₂ O ₅ glass. <i>Journal of Non-Crystalline Solids</i> , 2015, 427, 10-15. | 3.1 | 69 |
| 4 | Largely enhanced electrochemical performance in MoO _{3-x} nanobelts formed by a sol-gel reaction: Importance of oxygen vacancies. <i>Electrochimica Acta</i> , 2017, 239, 16-24. | 5.2 | 65 |
| 5 | Tuning of multicolor emissions in glass ceramics containing β -Ga ₂ O ₃ and β -YF ₃ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1804. | 5.5 | 57 |
| 6 | Preparation and luminescent performances of transparent screen-printed Ce ³⁺ :Y ₃ Al ₅ O ₁₂ phosphors-in-glass thick films for remote white LEDs. <i>Journal of Alloys and Compounds</i> , 2017, 720, 340-344. | 5.5 | 38 |
| 7 | A novel Ce ³⁺ :Y ₃ Al ₅ O ₁₂ and Eu ²⁺ :Sr ₂ Si ₅ N ₈ dual phosphors-in-glass thick film for warm white LED. <i>Materials Letters</i> , 2018, 221, 31-34. | 2.6 | 23 |
| 8 | Surface modification of K ₂ TiF ₆ :Mn ⁴⁺ phosphor with SrF ₂ coating to enhance water resistance. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1106-1113. | 2.1 | 20 |
| 9 | Fabrication of oriented oxide films from exfoliated yttrium hydroxide layers: Enhanced photoluminescence and unexplored behavior of energy transfer. <i>Journal of Alloys and Compounds</i> , 2018, 763, 815-821. | 5.5 | 16 |
| 10 | Synthesis, Structure, and Photoelectric Properties of a Novel 0-Dimensional Organic-Inorganic Hybrid Perovskite (2-5-py) ₂ MnBr ₄ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 22898-22906. | 3.1 | 13 |
| 11 | pH-sensitive nanocarriers for Ganoderma applanatum polysaccharide release via host-guest interactions. <i>Journal of Materials Science</i> , 2018, 53, 7963-7975. | 3.7 | 11 |
| 12 | Enhanced luminescence intensity of near-infrared-sensitized upconversion nanoparticles via Ca ²⁺ doping for a nitric oxide release platform. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6481-6489. | 5.8 | 11 |
| 13 | Structure, luminescence and energy transfer of Eu _{2,3} /Tb ₃ co-doped transparent glass ceramics containing β -Ca ₃ (PO ₄) ₂ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152661. | 5.5 | 10 |
| 14 | Core-Shell NaYF ₄ :Yb ³⁺ /Tm ³⁺ @NaGdF ₄ :Ce ³⁺ /Eu ³⁺ Nanoparticles for Upconversion and Downconversion Dual-Mode Fluorescence-Based Temperature Sensing. <i>ACS Applied Nano Materials</i> , 2022, 5, 9266-9276. | 3.0 | 10 |
| 15 | Impact of heat treatment on the Mn ²⁺ doped transparent glass ceramics containing NaZnPO ₄ nanocrystals. <i>Materials Letters</i> , 2017, 189, 172-175. | 2.6 | 7 |
| 16 | Structure and luminescence properties of Ce ³⁺ -activated BaLu ₂ Al ₂ Ga ₂ SiO ₁₂ persistent phosphors for optical information storage. <i>Optical Materials</i> , 2021, 120, 111391. | 3.6 | 4 |
| 17 | Preparation, structure and luminescence properties of Ce ³⁺ activated translucent glass ceramics containing garnet microcrystals. <i>Journal of Non-Crystalline Solids</i> , 2022, 585, 121530. | 3.1 | 0 |