

This review focuses on the development history of perovskite nanocrystals, including rare earth-doped lead-based perovskite nanocrystals and rare earth-based lead-free perovskite ...

Consequently, the demand for REEs has escalated, aligning with the global push towards sustainable and advanced technological solutions. The rare earth elements sector, pivotal for ...

Therefore, rare earth (RE) doped phosphors are in the focus of current research activities and have been successfully applied in field emission displays (FEDs), luminescent paints, ...

Rare earth luminescent materials constitute a crucial research direction in China's rare earth materials field, integrating aspects such as the design of novel luminescent materials, tuning of ...

(2) Luminescent solar concentrators based on perovskite materials and rare-earth metals need to be systematically studied, and their applications in photovoltaic field should be explored.

This review discusses the principles of DC technology and the synthesis of DC materials, emphasizing the application of rare earth-based DC materials in enhancing the efficiency ...

Rare-earth-metal-based materials have emerged as frontrunners in the quest for high-performance hydrogen storage solutions, offering a paradigm shift in clean energy technologies. This ...

The rare-earth elements have been recently employed to effectively overcome these drawbacks according to their unique photophysical properties. Herein, the recent progress of the application of ...



Rare earth solar container technology application

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