

In this study, eutectic gallium-indium alloy (EGaIn) liquid metal is used as the rear electrode for perovskite solar cells (PSCs), where the interfacial properties of the device, particularly ...

Ecological container energy storage box The energy storage box can be integrated with the smart grid and renewable energy system to achieve intelligent management and optimal utilization of energy, ...

However, encapsulating a liquid metal with a polymer in a micro-size container is essential for real applications. In this work, core-shell-structured liquid metal microcapsules (LMCs, ...

In solar power generation, not only does the heat transfer significantly affect the energy conversion efficiency, but it also determines the stability and durability of the optoelectronic materials. Therefore, ...

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The employment of liquid metal as a primary heat transfer fluid in solar thermal energy conversion systems has been identified by the Department of Energy as a potential alternative to the use of ...

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Let's face it - Seoul's skyline isn't just about glittering skyscrapers anymore. Hidden between those glass

giants are energy storage containers, quietly powering everything from K-pop ...

Abstract In this study, eutectic gallium-indium alloy (EGaIn) liquid metal is used as the rear electrode for perovskite solar cells (PSCs), where the interfacial properties of the device, ...

This study examined the natural convection heat flow characteristics of the melting process of PCM (palm oil) inside a liquid flexitank (bag) for a cargo container. A film heating element was installed on ...



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