

With their diverse range of applications, solar air heaters transform renewable solar energy into useful heat. The efficiency of solar air heater can be enhanced by exploring the effects of novel ...

This study investigates the thermal performance of cabinet-type solar dryer using paraffin wax-based NEPCM enhanced with 0.5% functionalized multi-walled carbon nanotubes (FMWCNT). ...

This article gives a clear account of alumina-based materials used in solar thermal energy systems. It covers solar thermal conversion, how high stability materials are important, and ...

While clean capacity is up, thermal continues to dominate The rise in contribution of renewables to India's energy mix marks a significant shift, driven by the rapid addition of solar and wind ...

In Ethiopia, where millions still live without consistent access to the grid, the future of energy access lies in decentralized, renewable solutions - and it's already taking shape. Off-Grid...

The United States continues to bet on traditional energy sources like oil, aiming to prolong the benefits of the fossil fuel era, while China is exporting green technologies such as solar power, ...

Jamie Gibbs Hot water accounts for around 11% of the average energy bill. So, if you're looking to lower your energy costs and improve your carbon footprint, it's worth considering solar water heating. Solar water heating ...

Abstract The reversible photoisomerization of 1,2-dihydro-1,2-azaborinines (BN benzenes) to their Dewar isomers (2-aza-3-borabicyclo [2.2.0]hex-5-enes) provides a promising platform for ...

Solar thermal energy conversion and storage represent a promising avenue for utilizing solar energy due to their high energy efficiency and ability to overcome solar radiation intermittency. ...

Circular economy startup Inter Ethiopia Solutions (IES) is refurbishing solar home systems and repurposing lithium-ion batteries that would otherwise be discarded as waste in order to ...

Around half a million people foresee benefits from the pilot mini-grid built across nine sites in Amhara, Oromia, Sidama, and the Southern regional states. African Development Bank Group has approved eight million dollars in ...

Energy efficiency in gardening is becoming an increasingly important consideration as gardeners seek to optimize resources, reduce environmental impact, and enhance plant growth while ...



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(ECNS) -- Beijing is advancing a clean energy transformation and selling clean energy to the world, while Washington is pushing oil and gas, risking a loss of leadership in the global ...



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