

Solar disinfection of water has been shown to be an effective treatment method in the developing world, but not specifically in a wilderness or survival setting. The current study sought to ...

A corrosion test under dynamic conditions on common container materials used in TES systems for CSP Plants, CSA516 and SS347, was successfully performed with molten solar salt ...

This review covers the research conducted over the last few years, i.e., (1) Phase change materials (PCMs), their selection and classification criteria, (2) Compatibility of PCMs with ...

This study evaluates the proposal of a concrete storage tank as molten salt container, for concentrating solar power applications. A characterization of the thermal and mechanical ...

ABSTRACT The increasing popularity of solar energy has spurred research aimed at enhancing the efficiency of various solar system designs. This study focuses on modifying traditional solar still ...

Recycle PV Solar, LLC is a solar consulting company headquartered in California that sells used and repaired c-Si PV modules at discounted rates for secondary use and coordinates the recycling of ...

At present, most corrosion experiments are carried out on metal materials, and the corrosion behavior of plastics as packaging materials can also be studied. It is also a research ...

Compatibility of container materials for Concentrated Solar Power with a solar salt and alumina based nanofluid: a study under dynamic conditions. Renewable Energy (IF 9.1) Pub Date : 2020-02-01, ...

This research investigates the viability and cost efficiency of creating novel materials for solar photovoltaic devices, with a focus on overcoming obstacles related to stability, toxicity, and ...

To address these gaps, we examine how European policy actions aimed at building a local solar PV supply chain affect global trade flows and quantify the associated environmental and ...

In this paper, a novel phase change material (PCM) based Thermoelectric (TE) food storage refrigerator incorporating an integrated solar-powered energy source is introduced. The ...

Solar energy is widely acknowledged as a renewable and environmentally friendly energy source. Efficient storage of heat energy is a crucial challenge in solar thermal applications. ...



Policy research on new solar container materials



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